

*Office of Environmental Management – Grand Junction*



# August 2007 Validation Data Package for the Performance Assessment of the Monthly Sampling for the Ground Water Interim Action

## Moab UMTRA Project

August 2008



U.S. Department  
of Energy

---

## Office of Environmental Management

---

**August 2007 Water Sampling**

**Validation Data Package  
for Performance Assessment of  
the Monthly Sampling for the  
Ground Water Interim Action  
Moab, Utah**

**August 2008**

## Table of Contents

Section	Page
<b>1.0 Sampling Event Summary .....</b>	<b>1</b>
1.1 Summary Criteria.....	1
1.2 Executive Summary .....	3
1.3 Sampling and Analyses.....	12
<b>2.0 Data Assessment Summary.....</b>	<b>13</b>
2.1 Water Sampling Field Activities Verification .....	13
2.2 Laboratory Performance Assessment .....	16
2.3 Field Analyses/Activities .....	28
2.4 Certification .....	28
<b>3.0 Data Presentation.....</b>	<b>29</b>
3.1 Minimums and Maximums Report .....	29
3.2 Anomalous Data Review Checksheet.....	39
3.3 Water Quality Data .....	43
3.4 Water Level Data .....	139
3.5 Blanks Report.....	145
<b>Tables</b>	
Table 1. Surface Water Ammonia Concentrations and Comparisons to State of Utah and Federal Criteria .....	12
Table 2. Analytes and Methods .....	16
Table 3. Data Qualifiers .....	17
Table 4. Reason Codes for Data Flags.....	18
<b>Figure</b>	
Figure 1. Sample Location Map.....	2
<b>Attachments</b>	
Attachment 1. Trip Report .....	147
Attachment 2. Acronyms .....	172

## **1.0 Sampling Event Summary**

This section contains the Summary Criteria with a sample location map (Section 1.1), an Executive Summary (Section 1.2), and the Sampling and Analyses (Section 1.3) for the August 2007 Monthly Sampling event.

### **1.1 Summary Criteria**

**Site:** Moab, Utah

**Sampling Period:** August 20 to September 6, 2007

The purpose of this sampling was to collect data that can be used to evaluate the performance of all the configurations of the Ground Water Interim Action Well Field. All sampling locations are shown on Figure 1.

**1. As a result of this sampling event, is there any indication of anomalous data that may be related to well field pump rate changes, river flow, or other known causes?**

Yes. Samples collected from the majority of Configuration 3 ground water sampling locations exhibited anomalously low analyte concentrations. This is most likely the result of infiltration of river water and dilution of existing saline and contaminated ground water during preceding higher Colorado River stages. Other areas of the well field also showed lower analyte concentrations for the same reason during the sampling period.

**2. Were all Interim Action well-field pumps operating within the planned parameters?**

Yes. As planned, the well field was operating at the time of this event, with the exceptions listed under #4.

**3. Was the evaporation pond functioning properly?**

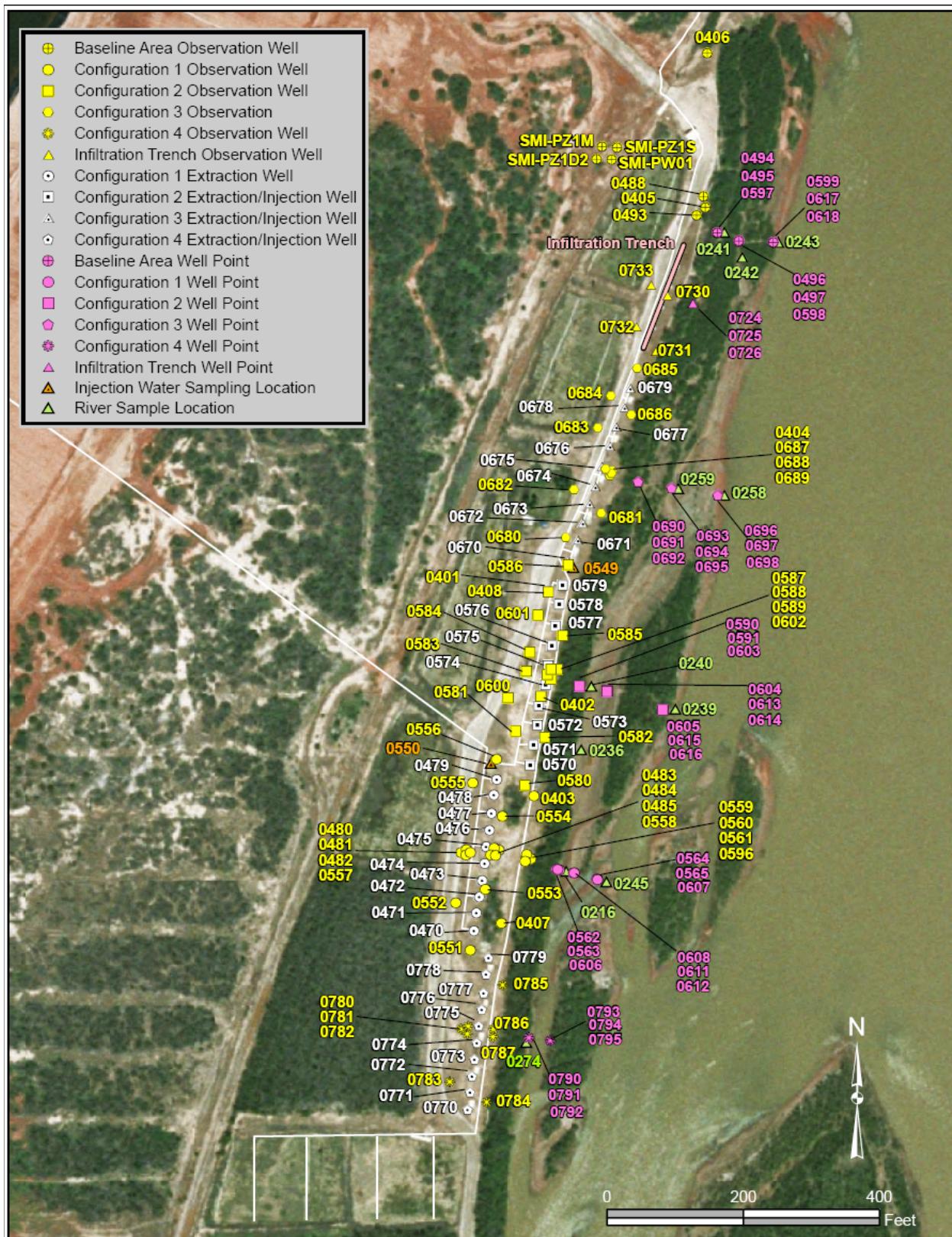
Yes. The pond level fluctuated between 5.8 and 7.5 feet (ft) during the sampling event. On August 21, 2007, one half of the extraction wells in Configurations 1, 3, and 4 were shut down to lower the pond level to increase the available storage capacity of the pond over the upcoming winter.

**4. Were all proposed well (ground water) and surface-water locations sampled during this event?**

No. Because the pumps installed in extraction wells SMI-PW02 and 0576 were not running, these locations were not sampled during this sampling event. Six surface-water locations (0216, 0236, 0240, 0241, 0242, and 0258) were not sampled because they were dry, and well-points 0494 and 0613 were also dry and not sampled. Well points 0497 and 0794 did not recharge after the initial purge, and a representative sample could not be collected.

**5. Were there any site activities that have impacted or may impact the Interim Action system?**

No.



*Figure 1. Sample Locations at the Interim Action Well Field and Baseline Area  
(may include locations not sampled)*

## **1.2 Executive Summary**

This validation data package (VDP) presents the validated data associated with the ground-water and surface-water samples collected during the August 2007 monthly sampling event at the former uranium tailings-processing site in Moab, Utah. This VDP includes a discussion of the data validation process in Section 2.0 with a description of how these data are qualified based on field and laboratory verification assessments (Sections 2.1 and 2.2). Attachment 1 contains the Trip Report detailing the field events associated with this sampling event.

A list of flagged data is presented in Table 3 in Section 2.2. No data were rejected (flagged as "R"). A Minimums and Maximums Report (presented in Section 3.1) was generated to determine if the data are within a normal statistical range. Any anomalous data, based on the results of the Minimums and Maximums Report, are presented in Section 3.2.

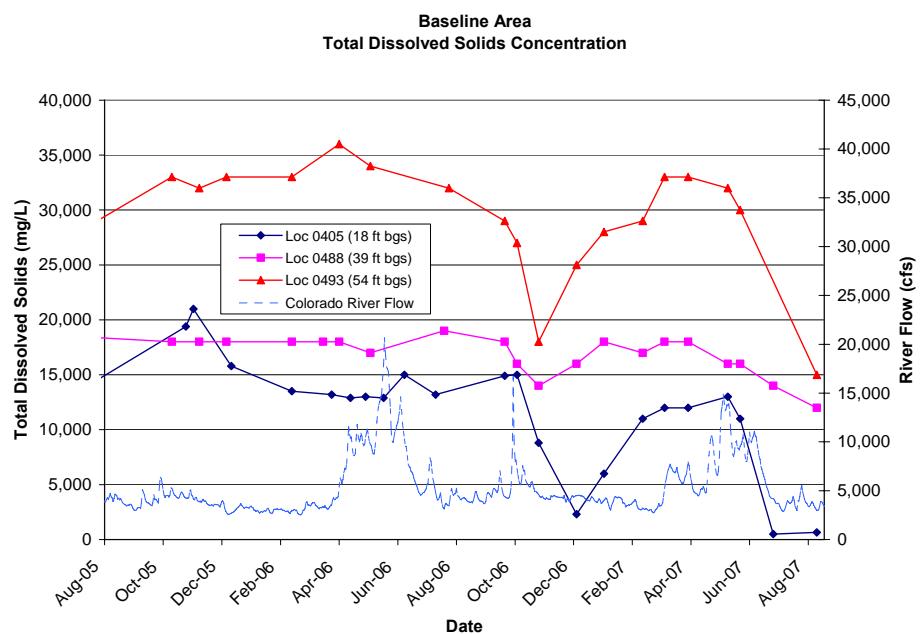
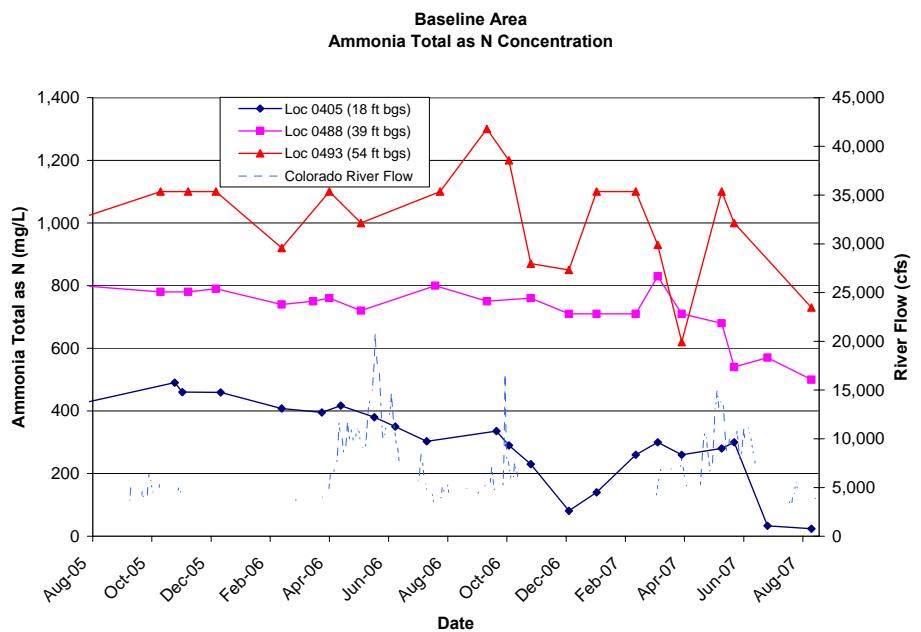
While independent of the data-validation process, a brief summary of the most recent concentration trends based on the August 2007 data is provided for the Baseline Area and Configurations 3, 2, 1, and 4 (listed from north to south) within the well field. Time versus concentration (ammonia, total dissolved solids [TDS], and uranium) plots for selected performance-indicator monitoring wells located upgradient or downgradient within the Interim Action well field are presented to display historical trends exhibited by the data. Colorado River flows over the same time frame are also plotted to determine whether the magnitude of river flows influence analyte concentrations.

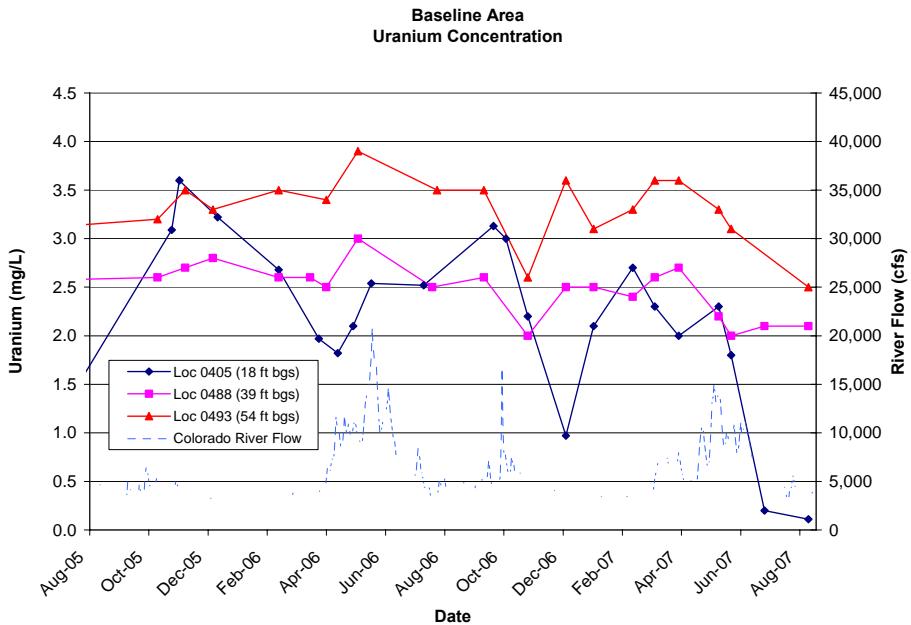
A summary of the surface water ammonia concentrations associated with this sampling event is also provided. These results are compared to the state and federal criteria for acute and chronic concentrations based on the sample's temperature and pH.

Several wells and surface-water locations couldn't be sampled because of recharge and dryness, respectively.

### **Baseline Area**

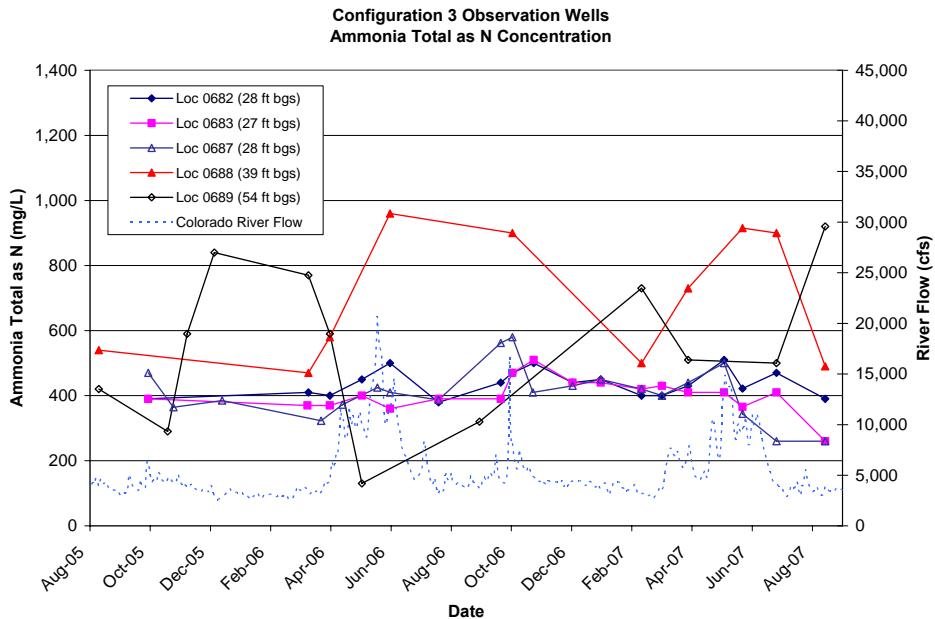
As previously observed, ammonia, TDS, and uranium concentrations generally increase with increasing depth in the Baseline Area, and the trend is more marked in this month's sampling. The continued anomalously low concentrations of ammonia, TDS, and uranium detected in the samples from observation wells 0405, 0488, and 0493 are in response to fresh-water injection at the nearby infiltration trench in combination with the high river stage the previous month.

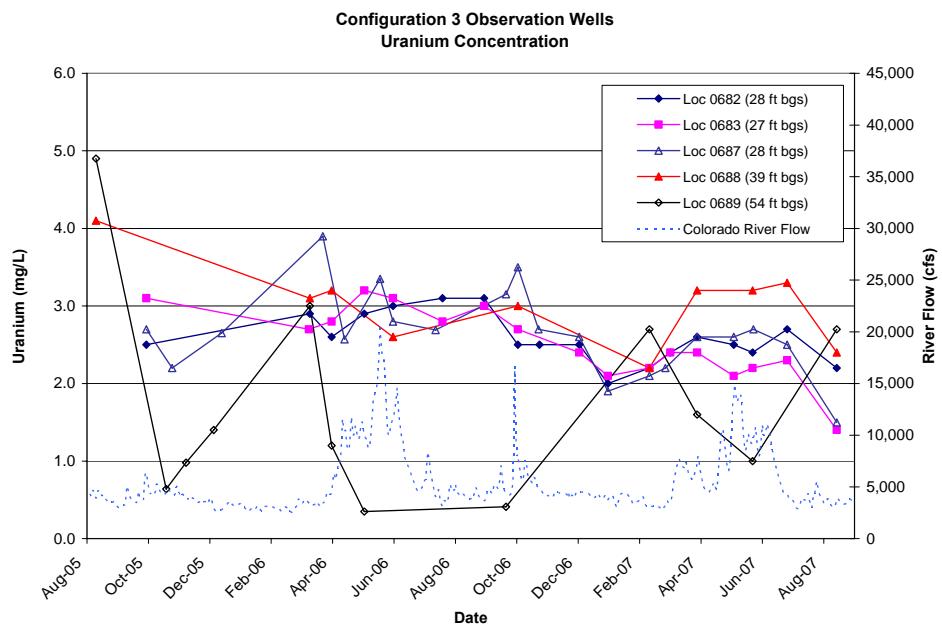
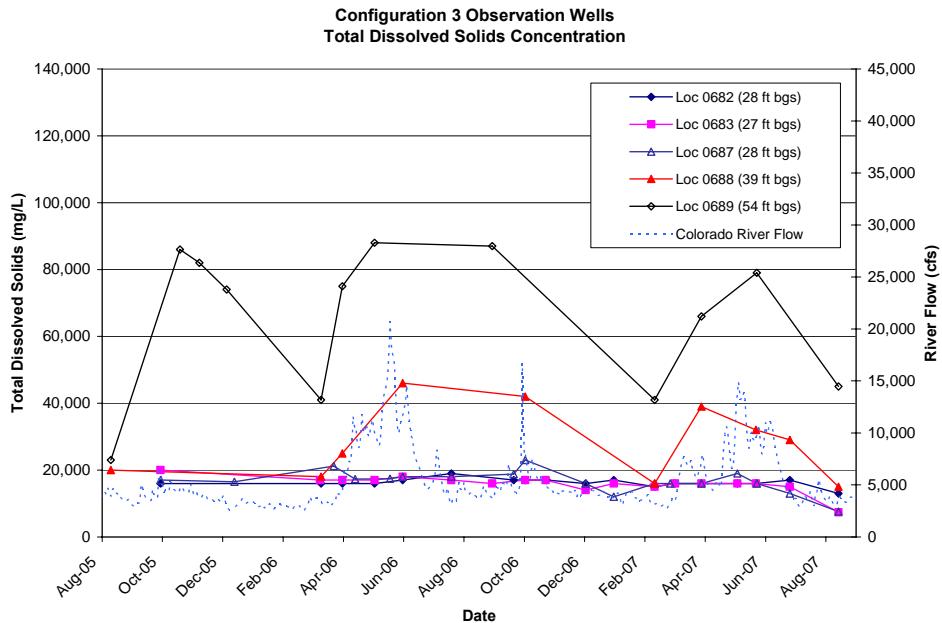




### Configuration 3

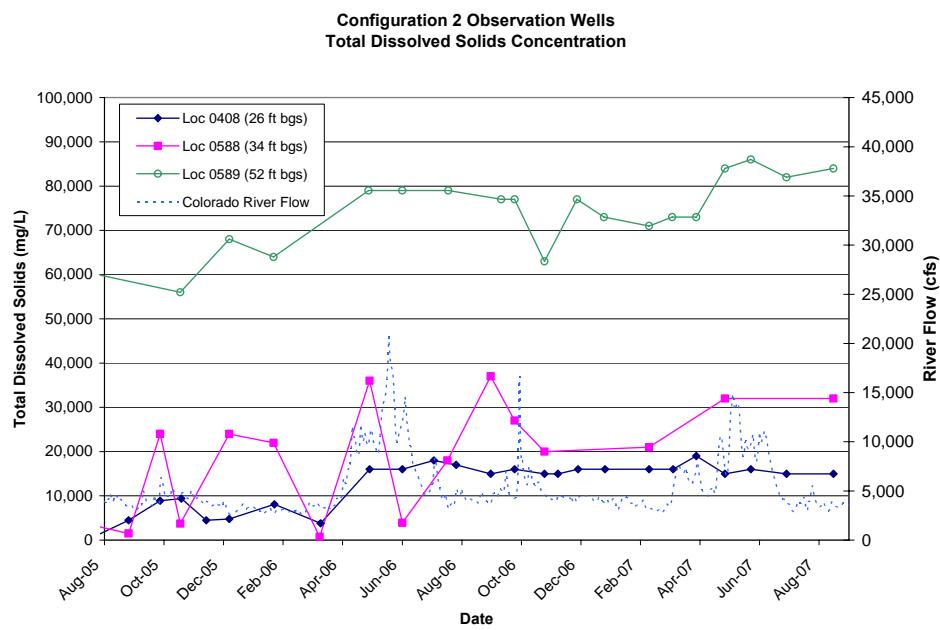
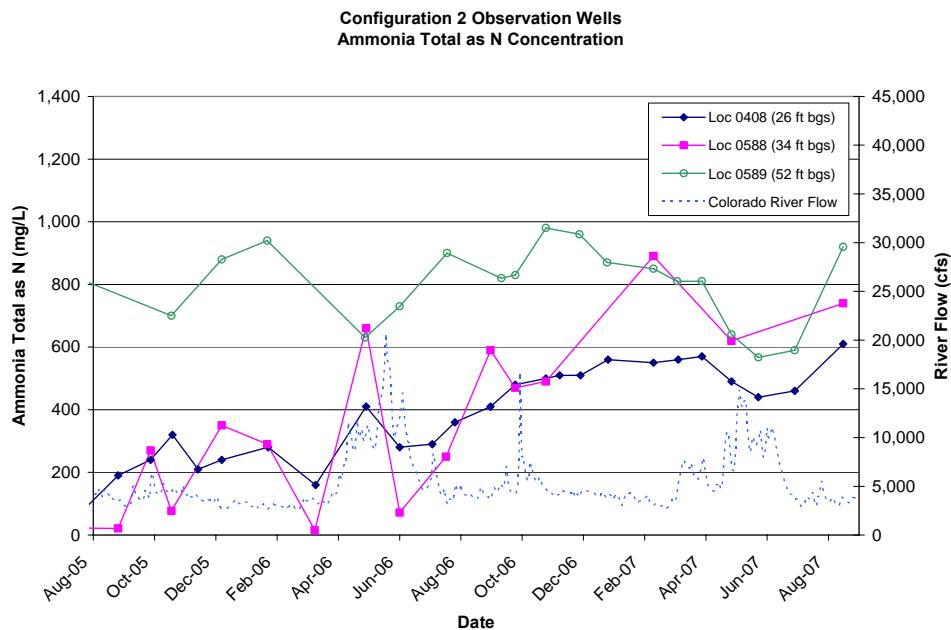
A review of the time versus concentration plots for Configuration 3 suggests analyte concentrations for samples collected from wells screened less than 30 ft below ground surface (bgs) have not fluctuated significantly; this trend is more pronounced for TDS and ammonia. Analytes in samples collected from below 39 ft bgs exhibit fluctuation. Overall, analyte concentrations decreased except for ammonia and uranium in the deepest well.

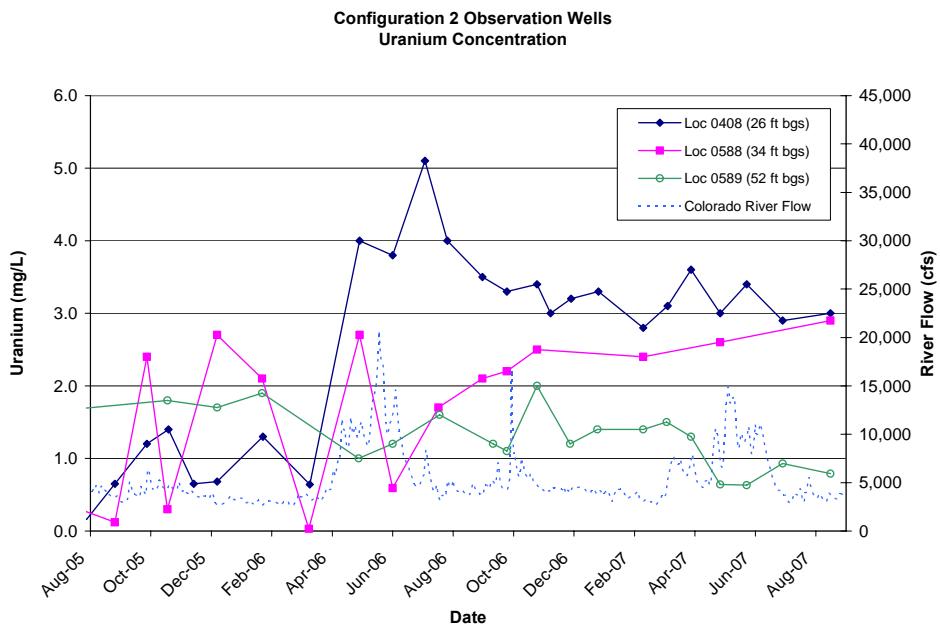




## Configuration 2

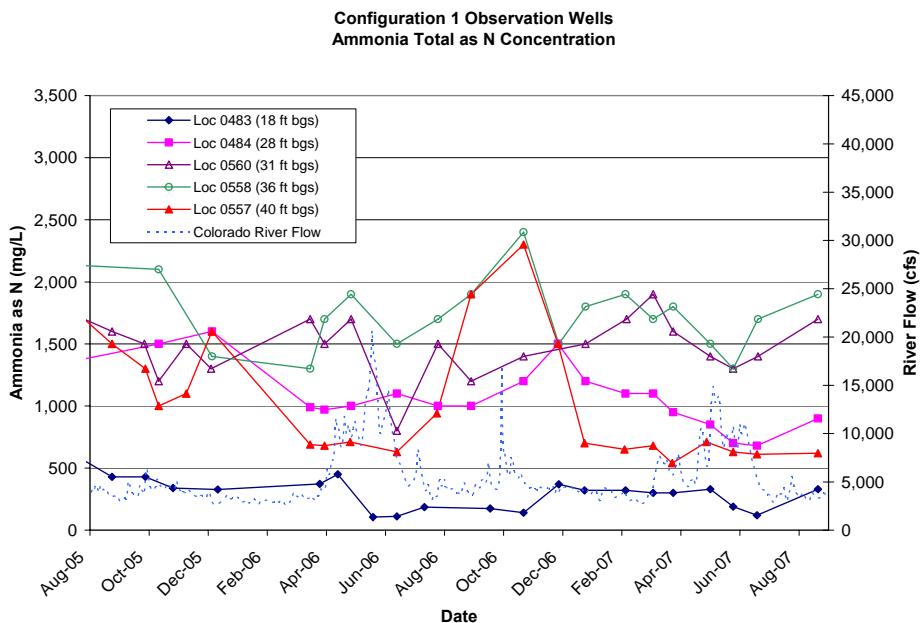
The Configuration 2 time versus concentration graphs indicate that concentrations of analytes in samples from each location decreased because of fresh-water injection that started in late 2004 and stopped in early 2006. This effect was most pronounced in the shallower wells (0408 and 0588). Thereafter, analyte concentrations increased in the shallower wells. Concentrations of TDS are greater at greater depth and are stable for this month, while ammonia concentrations increased and uranium concentrations fluctuated.

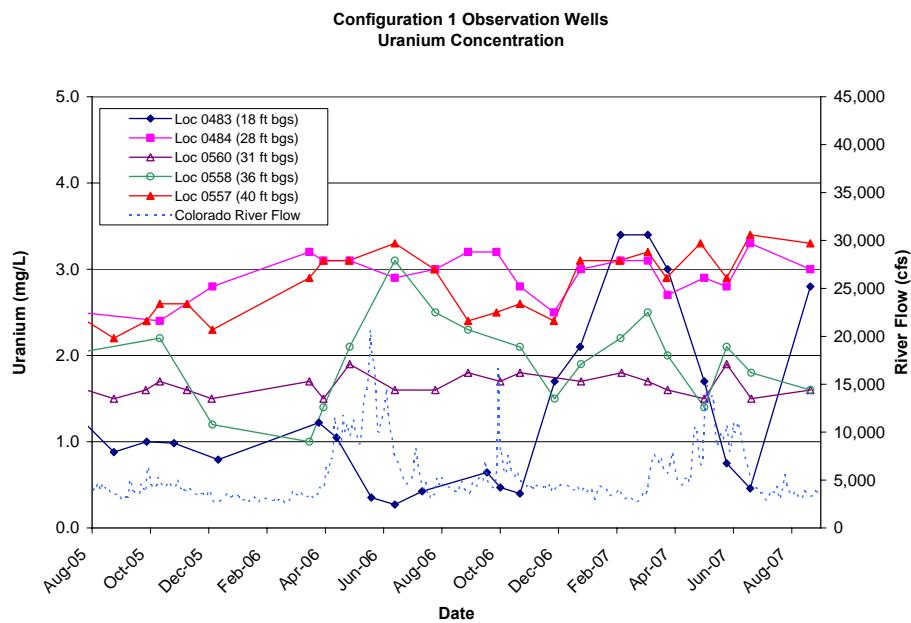
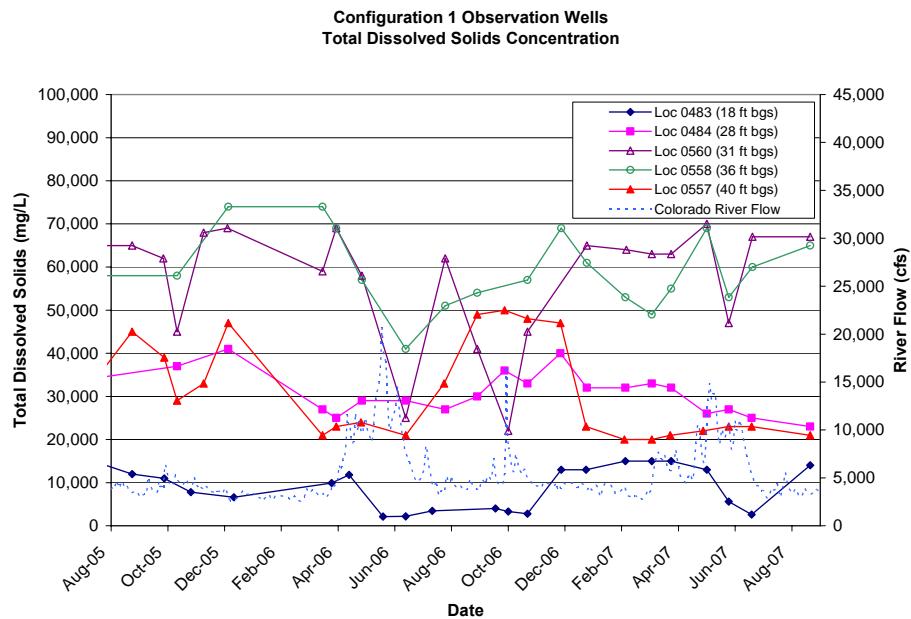




## Configuration 1

In general, analyte concentrations shown on time verses concentration plots for Configuration 1 observation wells were consistent within the range of variation of past sampling concentrations. The medium-depth wells (0558 and 0560) had similar concentrations of lower uranium and higher TDS and ammonia. Analyte concentrations in samples collected from the shallow observation wells appear to be rebounding after decreasing the month before due to the higher stages in the Colorado River during spring runoff.

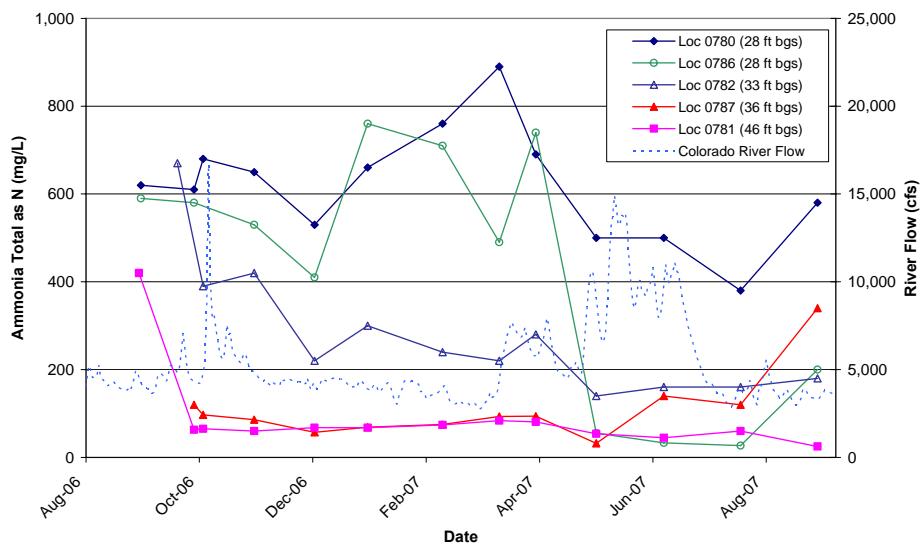




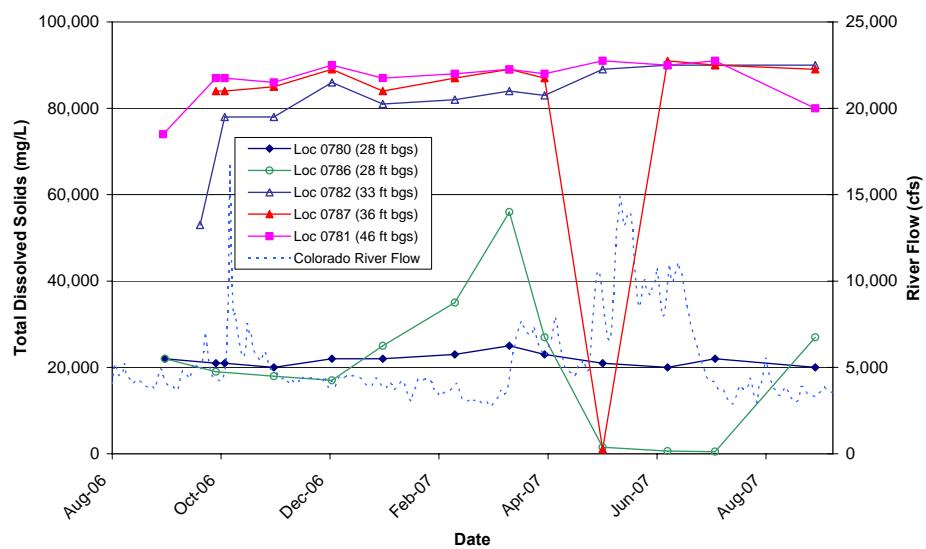
## Configuration 4

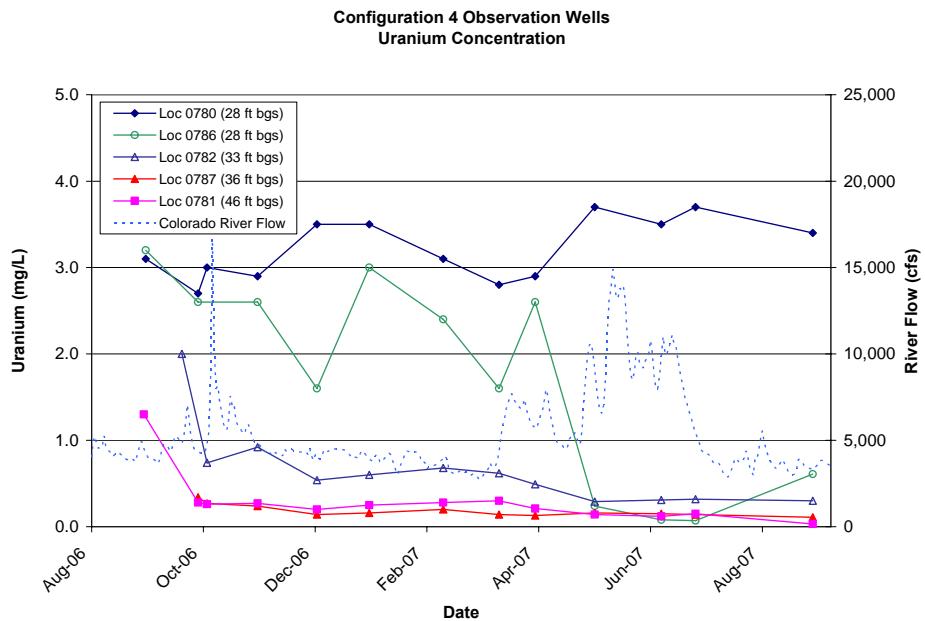
Analyte concentrations shown on time versus concentration plots for Configuration 4 did not significantly fluctuate in samples collected below 30 ft bgs for TDS and uranium. There is a significant difference in all three analyte concentrations between the upgradient (well 0780) and downgradient (well 0786) samples collected from 28 ft bgs. From the time these observation wells were installed in September 2006 through March 2007, analyte concentrations were similar. After March 2007, the concentrations of analytes at the two locations differed significantly, with the upgradient well (0780) having consistently higher concentrations.

**Configuration 4 Observation Wells**  
Ammonia Total as N Concentration



**Configuration 4 Observation Wells**  
Total Dissolved Solids Concentration





### Surface Water Sampling Results

Table 1 presents a summary of the ammonia concentrations associated with the surface water samples collected during this sampling event. For comparison purposes, the applicable state of Utah and federal criteria for both acute and chronic concentrations (along with the temperature and pH data used to calculate these concentrations) are provided. As shown in Table 1, none of the five surface water samples exceeded the acute or chronic state or federal concentrations.

*Table 1. Surface Water Ammonia Concentrations and Comparisons to State of Utah and Federal Criteria*

Loc	Date	Temp (°C)	pH	Ammonia as N (mg/L)	State/Federal AWQC-Acute Total as N (mg/L) <sup>1</sup>	State/Federal AWQC- Chronic Total as N (mg/L) <sup>2</sup>
0239	8/21/07	28.9	8.42	0.18	2.59	0.54
0243	8/23/07	25.4	8.36	0.6	2.59	0.62
0245	8/22/07	25.4	8.09	0.19	4.64	1.0
0259	8/29/07	25.5	8.32	0.1	3.15	0.73
0274	9/5/07	32.2	8.08	0.2	4.64	0.77

Notes: Loc = Location, Temp = Temperature, AWQC = Ambient Water Quality Criteria

- (1) State of Utah, Standards of Quality for Waters of the State (Effective May 1, 2008), Rule R317-2, Table 2.14.2, 1-Hour Average (Acute) Concentration of Total Ammonia as N (mg/L)
- (2) State of Utah, Standards of Quality for Waters of the State (Effective May 1, 2008), Rule R317-2, Table 2.14.2, 30-Day Average (Chronic) Concentration of Total Ammonia as N (mg/L), Fish Early Life Stages Present

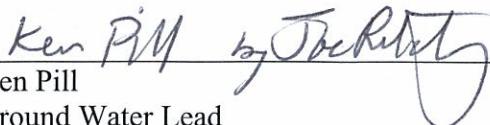
### 1.3 Sampling and Analyses

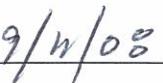
Sampling and analyses were conducted in accordance with the *Operations, Maintenance, and Performance Monitoring Plan for the Interim Action Ground Water Treatment System, February 2007*. Although not listed here, the normal set of locations were intended to be sampled. Please refer to the attached trip report (Attachment 1) for specific sampled locations and an explanation of why some locations were not sampled, such as dry conditions at specific surface-water locations.

The data validations indicate that the data meet the quality-control criteria specified for this project. No data were rejected. No significant discrepancies were noted regarding sample shipping and receiving, preservation times, instrument calibration, method blanks, or matrix spikes, except as qualified or noted in the Laboratory Performance Assessment (Section 2.2).

After review of the anomalous data points and elimination of data that had concentrations too low to reliably detect or were within 50 percent of the historical minimum, there were 26 locations with anomalous data points, eight in the Baseline Area, one in the Infiltration Trench Area, one from the evaporation pond, one in Configuration 2, 12 in Configuration 3, and three in Configuration 4. The 26 locations had 71 analyte concentrations that were anomalous, and each is listed in Section 3.2.

According to the U.S. Geological Survey (USGS) Cisco Gaging Station, the mean daily Colorado River flow rates varied between 3000 and 3910 cubic feet per second (cfs) during this sampling period.

  
 Ken Pill  
 Ground Water Lead

  
 Date 9/4/08

## **2.0 Data Assessment Summary**

This section contains the Water Sampling Field Activities Verification (Section 2.1), the Laboratory Performance Assessment (Section 2.2), the Field Analyses/Activities (Section 2.3), and Certification (Section 2.4).

### **2.1 Water Sampling Field Activities Verification**

The field activities-verification process for this sampling event was documented using the following checklist. As the checklist exhibits, all sampling was conducted following the applicable procedures.

## Water Sampling Field Activities Verification Checklist

<b>Sampling Event / RIN</b>	August 2007 Monthly / 0708001	<b>Date(s) of Water Sampling</b>	August 20 to September 6, 2007
<b>Date(s) of Verification</b>	June 10, 2008	<b>Name of Verifier</b>	Rachel Cowan
<b>Response (Yes, No, NA)</b>			
<b>Comments</b>			
1. Is the SAP the primary document directing field procedures?	Yes		
List other documents, standard operating procedures, instructions.			
2. Were the sampling locations specified in the planning documents sampled?	NA		
3. Was a pre-trip calibration conducted as specified in the aforementioned documents?	No See trip report for explanation.		
4. Was an operational check of the field equipment conducted twice daily?	Yes		
Did the operational checks meet criteria?			
5. Were the number and types (alkalinity, temperature, electrical conductivity, pH, turbidity, dissolved oxygen, oxidation reduction potential) of field measurements taken as specified?	Yes		
6. Was the category of the well documented?	Yes		
7. Were the following conditions met when purging a Category I well:			
Was one pump/tubing volume purged prior to sampling?			
Did the water level stabilize prior to sampling?			
Did pH, specific conductance, and turbidity measurements stabilize prior to sampling?			
Was the flow rate less than 500 milliliters per minute (mL/min)?			
If a portable pump was used, was there a 4-hour delay between pump installation and sampling?			
<b>Comments</b>			

## Water Sampling Field Activities Verification Checklist

8. Were the following conditions met when purging a Category II well:

Was the flow rate less than 500 mL/min?

Yes

Was one pump/tubing volume removed prior to sampling?

Yes

9. Were duplicates taken at a frequency of one per 20 samples?

Yes

10. Were equipment blanks taken at a frequency of one per 20 samples that were collected with nondedicated equipment?

Yes      Ground water samples are collected on dedicated equipment; however, the surface water samples are not. One equipment blank was taken for five surface water samples.

11. Were trip blanks prepared and included with each shipment of volatile organic compound samples?

NA

12. Were Quality Control samples assigned a fictitious site identification number?

Yes

Was the true identity of the samples recorded on the Quality Assurance Sample Log?

Yes

13. Were samples collected in the containers specified?

Yes

14. Were samples filtered and preserved as specified?

Yes

15. Were the number and types of samples collected as specified?

Yes

16. Were chain-of-custody (COC) records completed, and was sample custody maintained?

Yes

17. Are field data sheets signed and dated by both team members?

Yes

18. Was all other pertinent information documented on the field data sheets?

Yes

19. Was the presence or absence of ice in the cooler documented at every sample location?

Yes

20. Were water levels measured at the locations specified in the planning documents?

Yes

## **2.2 Laboratory Performance Assessment**

### General Information

Requisition No. (RIN): 0708001  
Sample Event: Interim Action Well Field Monthly Sampling, August 2007  
Site(s): Moab, UT  
Laboratory: Paragon Analytics, Fort Collins, CO  
Sample Data Group (SDG).: 0708208, 0708242, 0708270, 0708290, 0709040  
Analysis: Metals and Inorganics  
Validator: Rebecca Hollis  
Review Date: 18 May 2008

This validation was performed according to the *Environmental Procedures Catalog*, “Standard Practice for Validation of Laboratory Data,” GT-9(P) (2006). The procedure was applied at Level 3, Data Validation. See attached Data Validation Worksheets for supporting documentation on the data review and validation. One hundred percent of the analyses were validated. The samples were prepared and analyzed using accepted procedures based on methods specified by line item code, which are listed in Table 2.

*Table 2. Analytes and Methods*

<b>Analyte</b>	<b>Line Item Code</b>	<b>Prep Method</b>	<b>Analytical Method</b>
Ammonia as N, NH <sub>3</sub> -N	WCH-A-005	MCAWW 350.1	MCAWW 350.1
Bromide	MIS-A-038	SW-846 9056	SW9056
Chloride	MIS-A-039	SW-846 9056	SW9056
Copper	MET-A-022	SW-846 3005A	SW6010
Manganese	GJO-17	SW-846 3005A	SW6010
Selenium	GJO-14	SW-846 3005A	SW6020
Sulfate	MIS-A-044	SW-846 9056	SW9056
Total Dissolved Solids	WIC-A-033	MCAWW 160.1	MCAWW 160.1
Uranium	GJO-01	SW-846 3005A	SW6020

### Data Qualifier Summary

Analytical results were qualified as listed in Table 3. Refer to the attached validation worksheets and the sections below for an explanation of the data qualifiers applied. Table 4 provides an explanation of the reason codes listed for the data qualifiers listed in Table 3.

*Table 3. Data Qualifiers*

Sample Number	Location	Analyte	Flag	Reason
0708270-21 through -25; All 0708242 samples	0681, 0682, 0586, 0404; all 0708242 locations	Ammonia as N	J UJ (0495)	MS-1
All 0708270 samples except 0708270-21 through -25; 0708208-21 through -40	All 0708270 locations except 0681, 0682, 0586, 0404; 0574, 0577, 0578, 0579, 0590, 0591, 0603, 0605, 0606, 0607, 0608, 0611, 0612, 0615, 0616, 0670, 0671, 0672, 0673, 0674	Ammonia as N	J UJ (0259)	MS-2
All 0708242 samples	All 0708242 locations	Ammonia as N	J UJ (0495)	RS-1
0708242-2 through -5	0403, 0407, 0408, 0555	Ammonia as N	J	B-3
All 0709040, 0708242, 0708270 samples;	All 0709040, 0708242, 0708270 locations	Chloride	J	MS-1
All 0709040, 0708242, 0708270 samples;	All 0709040, 0708270, 0708242 locations	Chloride	J	RS-1
0709040-7, 0708242-17, -18	2499; 0405; 0243	Chloride	U	B-2
All 0708208 samples except 0708208-17, -23, -24, -36, 38, -41, -42, -43; All 242 samples	All 0708208 locations except 0570, 0578, 0579, 0670, 0672, 0675; 0676; 0677; All 242 locations	Copper	UJ J (0617, 0618, 0495)	B-3
0708270-4 and -6	0732, 0695	Copper	U	B-1
0708270-18 and -20; 0708242-3	0684, 0686, 0407	Copper	J	ICS-2
0708270-18 and -20; 0708242-3	0684, 0686, 0407	Manganese	J	ICS-2
0709040-18, 37	0790, 0274	Manganese	U	B-2
0709040-7, -10, -14, -15, 18,	2499, 2454, 0785, 0793, 0790	Selenium	U	B-2
0709040-7, -10, -14, -15,	2499, 2454, 0785, 0793	Selenium	UJ (2499) J	CRI-2
All 0708270 samples	All 0708270 locations	Selenium	J	SD-1
All 0708270 samples	All 0708270 locations	Selenium	J	MS-1
All 0708270 samples	All 0708270 locations	Selenium	J	RS-1
All 0709040, 0708242, 0708270 Samples	All 0709040, 0708242, 0708270 locations	Sulfate	J	MS-1
All 0709040, 0708242, 0708270 Samples	All 0709040, 0708242, 0708270 locations	Sulfate	J	RS-1
0709040-10, -15	2454, 0793	Sulfate	U	B-2
0708270-6, -13 through -17	0687, 0688, 0689, 0690, 0683,	Sulfate	U	B-1
0708208-17, -18, -46 through -56, and 0708242-12	0570, 0571, 0770 through 0779, 2528, and 0604	TDS	J	HT-2
0708208-32, -33, -34, -35	0611, 0612, 0615, 0616	Uranium	U	B-2
All 0709040, 0708208, 0708242, 0708270, 0708290 samples	All 0708208, 0708242, 0708270, 0708290, 0709040 locations	Uranium	J UJ (0611; 0612; 0615;0616)	LCS-1
All 0708242, 0708270 samples	All 0708242, 0708270 locations	Uranium	J	RS-1
All 0708242, 0708270 samples	All 0708242, 0708270 locations	Uranium	J	SD-1
All 0708242, 0708270 samples	All 0708242, 0708270 locations	Uranium	J	MS-1

Note: J = estimated value; R = Unusable result; U = Analytical Result Below Detection Limit

*Table 4. Reason Codes for Data Flags*

Reason Code	Explanation
MS-1	Matrix spike samples were not analyzed at the proper frequency as stated in the appropriate analytical method.
MS-2	Matrix spike sample recovery is greater than 125 percent.
RS-1	Replicate samples were not analyzed at the proper frequency as stated in the appropriate analytical method.
B-3	The absolute value of a blank with a negative concentration is greater than the method detection limit (MDL) but less than the reporting limit (RL).
B-2	Concentrations of the analyte were greater than or equal to five times the MDL.
B-1	Blank frequency criteria as stated in the appropriate analytical method were not met.
ICS-2	Interference check sample A result for element is greater than MDL of that element.
CRI-2	The recovery of an RL verification standard is less than 70 percent but greater than 30 percent.
HT-2	Samples were analyzed after holding times exceeded, but within two times the specified holding times as stated in the appropriate analytical method.
SD-1	Serial dilution frequency requirements not met.
LCS-1	Laboratory control samples were not analyzed at the proper frequency as stated in the appropriate analytical method.

### Sample Shipping/Receiving

Paragon Analytics in Fort Collins, Colorado, received a total of 153 samples. Fifty-six of the samples arrived on August 23, 2007, under tracking numbers 1Z0527XX2210001270, 1Z0527XX2210001289, and 1Z0527XX2210001823; 18 of the samples arrived on August 25, 2007, under tracking number 1Z5W1Y514499612848; 25 of the samples arrived on August 30, 2007, under tracking number 1Z5W1Y510196982052; 17 of the samples arrived on August 31, 2007, under tracking number 1Z5W1Y510194736036; and 37 of the samples arrived on September 7, 2007, under tracking number 1Z5W1Y510195424102. All sample groups were accompanied by Chain of Custody (COC) forms. The COC forms were checked to confirm that all of the samples were listed on each form with sample collection dates and times, and that signatures and dates were present indicating sample relinquishment and receipt. The sample submittal documents, including the COC forms and the sample tickets, had no errors or omissions.

### Preservation and Holding Times

The sample shipments were received intact with the temperatures within the coolers between 0.2 and 5.8 °C, which complies with requirements, except for the cooler with SDG 0708242 samples which had a temperature of 6.6 °C. All samples were received in the correct container types and had been preserved correctly for the requested analyses.

All samples were analyzed within the applicable holding times except samples 0708208-17, -18, and -46 through -56 for TDS, and sample 0708242-12 for TDS (samples 0570, 0571, 0770 through 0779, 2528 [duplicate of 0479], and 0604, respectively). Each of these samples were extracted eight days (one day past the holding time) after the sample was collected, and analyzed shortly thereafter.

## Laboratory Instrument Calibration

Compliance requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable qualitative and quantitative data for all analytes. Initial calibration demonstrates that the instrument is capable of acceptable performance in the beginning of the analytical run and of producing a linear curve. Compliance requirements for continuing calibration checks are established to ensure that the instrument continues to be capable of producing acceptable qualitative and quantitative data. All laboratory instrument calibrations were performed correctly in accordance with the cited methods.

### *Method MCAWW 350.1, Ammonia as N*

Initial calibrations for ammonia as N were performed on September 4, 5, and 17, 2007; each calibration used seven calibration standards. The three calibration curves each had a correlation coefficient value greater than 0.995. The intercept for each calibration curve was positive. Initial and continuing calibration verification (ICV and CCV) checks were made for each of the sample runs at the required frequency. All calibration check results were within the acceptance criteria.

### *Method SW9056, Bromide*

Initial calibrations for bromide were performed using six calibration standards on August 22 and 28, 2007, resulting in calibration curves with correlation coefficient values greater than 0.995. The intercept for each curve was negative, but its absolute value was less than three times the MDL, so all detects were acceptable for this part. ICV and CCV checks were made for each of the sample runs at the required frequency. All calibration check results were within the acceptance criteria.

### *Method SW9056, Chloride*

Initial calibrations for chloride were performed using six calibration standards on August 22 and 28, 2007, resulting in calibration curves with correlation coefficient values greater than 0.995. For both calibration curves, the intercept was negative, but its absolute value was less than three times the MDL, so all detects were acceptable for this part. ICV and CCV checks were made for each of the sample runs at the required frequency. All calibration check results were within the acceptance criteria.

### *Method SW6010, Copper*

Initial calibrations for copper were performed using three calibration standards on September 6 and 19, 2007, resulting in calibration curves with correlation coefficient values greater than 0.995. The intercepts were negative, but their absolute values were less than three times the MDL, so all detects were acceptable for this part. ICV and CCV checks were made for each sample run at the required frequency. All calibration check results were within the acceptance criteria.

#### *Method SW6010, Manganese*

Initial calibrations for manganese were performed using three calibration standards on September 6 and 19, 2007, resulting in calibration curves with correlation coefficient values greater than 0.995. On September 6, the intercept was negative, but its absolute value was less than three times the MDL, so all detects were acceptable for this part. On September 19, the intercept was positive and was less than three times the MDL, so all detects were acceptable for this part. ICV and CCV checks were made for both sample runs at the required frequency. All calibration check results were within the acceptance criteria.

#### *Method SW6020, Selenium*

Initial calibrations for selenium were performed using eight calibration standards on September 11 and 24, 2007, resulting in calibration curves with correlation coefficient values greater than 0.995. For both calibration curves, the intercept was positive and less than three times the MDL, so all detects were acceptable for this part. ICV and CCV checks were made for each sample run at the required frequency. All calibration check results were within the acceptance criteria.

#### *Method SW9056, Sulfate*

Initial calibrations for sulfate were performed using six calibration standards on August 22 and 28, 2007, resulting in calibration curves with correlation coefficient values greater than 0.995. For each of the calibration curves, the intercept was positive and less than three times the MDL, so all detects were acceptable for this part. ICV and CCV checks were made for each of the sample runs at the required frequency. All calibration check results were within the acceptance criteria.

#### *Method MCAWW 160.1, Total Dissolved Solids*

There is no initial or continuing calibration requirement associated with the determination of TDS.

#### *Method SW6020, Uranium*

Initial calibrations for uranium were performed using eight calibration standards on August 31 and September 10 and 20, 2007, resulting in calibration curves with correlation coefficient values greater than 0.995. For all the calibrations, the intercept was positive, and on August 31 and September 20, the intercepts were greater than three times the MDL, so all detects were evaluated and found acceptable, and none were flagged. ICV and CCV checks were made for each sample run at the required frequency. All calibration check results were within the acceptance criteria.

### Method and Calibration Blanks

Method blanks (MBs) are analyzed to assess any contamination that may have occurred during sample preparation. Calibration blanks are analyzed to assess instrument contamination prior to and during sample analysis. All initial and continuing calibration blank (ICB and CCB) results were below the practical quantitation limit (PQL) and below the instrument detection limit.

#### *Method MCAWW 350.1, Ammonia as N*

ICB and CCB checks for September 4, 5, and 19, 2007, were made at the required frequency. The MBs, ICBs, and CCBs were below the MDL except for the following. The absolute values of some of the MB and CCB concentrations were greater than the MDL on September 5, so all associated detects were checked, and some were flagged. The absolute values of some of the CCB concentrations were greater than the MDL on September 17, so all associated detects were checked, but none were flagged.

#### *Method SW9056, Bromide*

ICB and CCB checks for bromide analyses on August 27, 28, and September 4, 10, and 11, 2007, were made at the required frequency. The absolute values of the MB concentrations on the September 4 sample runs were greater than the MDL, so all detects were checked and flagged as appropriate. None of the CCBs on any of the sample runs had absolute value concentrations greater than the MDL, so all detects were accepted for this reason.

#### *Method SW9056, Chloride*

ICB and CCB checks for chloride analyses on August 27, 28, 29, and September 5, 10, 11, and 12, 2007, were made at the required frequency. The absolute values of the MB concentrations on the September 5 and 11 sample runs were greater than the MDL, so all detects were checked and flagged as appropriate. Some of the CCBs on the August 27, 28, 29 and September 11 sample runs had absolute value concentrations greater than the MDL, so all detects were checked, and some were flagged.

#### *Method SW6010, Copper*

ICB and CCB checks for copper analyses on September 6 and 19, 2007, were made at the required frequency. The MB concentrations were negative, and the absolute values of the MB concentrations were greater than the MDL on the September 6 sample run, so all detects were checked, and some were flagged. The CCBs on both September 6 and 19 were negative, and their absolute value concentrations were greater than the MDL, so the associated detects were checked, and some were flagged.

#### *Method SW6010, Manganese*

ICB and CCB checks for manganese analyses on September 6 and 19, 2007, were made at the required frequency. The MB concentrations were positive, but some were greater than the MDL, so associated detects were checked, and some were flagged. Some of the CCBs on the September 19 sample run had concentrations that were greater than the MDL, so the associated detects were checked, and some were flagged.

#### *Method SW6020, Selenium*

ICB and CCB checks for selenium analyses on September 11 and 24, 2007, were made at the required frequency. The MB concentrations from both sample runs were greater than the MDL, so all detects were checked, and some were flagged. The CCBs concentrations from both sample runs were less than the MDL, so all detects were accepted.

#### *Method SW9056, Sulfate*

ICB and CCB checks for sulfate analyses on August 27, 28, and September 5, 10, and 11, 2007, were made at the required frequency. The absolute values of the MB concentrations were less than the MDL so all associated detects were accepted. Some of the CCBs from August 28 and September 11 had absolute value concentrations greater than the MDL, so these detects were checked, and some were flagged.

#### *Method MCAWW 160.1, Total Dissolved Solids*

MBs were analyzed at the required frequency on August 28, 30, and September 4, 5, and 6, 2007. The MB concentrations were both positive and negative, but their absolute values were less than the MDL, so all detects were accepted.

#### *Method SW6020, Uranium*

ICB and CCB checks for uranium analyses on August 31 and September 10 and 20, 2007, were made at the required frequency. The MB concentrations for all these sample runs were less than the MDL, so all detects were accepted for this reason. Some of the CCB concentrations from each of the sample runs were greater than the MDL, so the associated detects were checked, and some were flagged.

#### Matrix Spike and Replicate Analysis

Matrix spike (MS) sample analysis is performed as a measure of the ability to recover analytes in a particular matrix. Replicate analysis consists of matrix spike duplicate (MSD) samples that are indicators of laboratory precision for each sample matrix.

#### *Method MCAWW 350.1, Ammonia as N*

Ammonia as N MS and MSD checks for the September 4, 5, and 17, 2007, sample preparation batches were made at the required frequency. An MS sample on September 4 had high percent recovery, so associated detects were flagged. Not enough MS/MSD pairs were analyzed for both the September 5 and 17 sample runs, so associated detects were flagged. The other MS and MSD samples from all three sample preparation batches had analyses within the appropriate recovery range, so all associated ammonia as N detects passed this check.

#### *Method SW9056, Bromide*

Bromide MS and MSD checks were made at the required frequency for the August 27, 28, 29, and September 4, 5, and 11, 2007, sample preparation batches. The MS and MSD samples from each of these sample runs had analyses within the appropriate recovery range, so all bromide detects passed this check.

#### *Method SW9056, Chloride*

Chloride MS and MSD checks were made at the required frequency for the August 27, 28, 29, and September 4, 5, and 11, 2007, sample preparation batches. Unfortunately, all the MS and MSD samples had concentrations above the machine limit, so all chloride samples were flagged for this reason.

#### *Method SW6010, Copper*

Copper MS and MSD analyses were not made at the required frequency. Some of the samples from the September 19, 2007, sample run did not have an MS/MSD sample designated, so copper associated detects were flagged. All other MS and MSD samples had copper analyses within the appropriate recovery range, so all associated copper detects passed this check.

#### *Method SW6010, Manganese*

Manganese MS and MSD analyses were not made at the required frequency. Some of the samples from the September 19, 2007, sample run did not have an MS/MSD sample designated, so associated manganese detects were flagged. All other MS and MSD samples had manganese analyses within the appropriate recovery range, so all associated manganese detects passed this check.

#### *Method SW6020, Selenium*

Selenium MS and MSD analyses were not made at the required frequency. There were not enough MS/MSD samples prepared for the September 11, 2007, sample run, so the associated selenium detects were flagged for this reason. All other MS and MSD samples from September 11 and those from September 6 and 24 had analyses within the appropriate recovery range, so these selenium detects passed this check.

#### *Method SW9056, Sulfate*

Sulfate MS and MSD checks were made at the required frequency for the August 27, 28, 29, and September 4, 5, and 11, 2007, sample preparation batches. Unfortunately, all the MS and MSD samples had concentrations above the machine limit, so all chloride samples were flagged for this reason.

#### *Method MCAWW 160.1, Total Dissolved Solids*

There were no MS or MSD samples prepared, following the method requirements.

*Method SW6020, Uranium*

Uranium MS and MSD checks were not made at the required frequency. There were not enough MS/MSD sample pairs for the number of samples run on the August 31, 2007, sample run, and there were no MS/MSD sample pairs for the September 10, 2007, sample run, so the associated uranium detects were flagged for this reason. The rest of the MS and MSD samples from August 31 and all the samples from September 20 had analyses within the appropriate recovery range, so all these associated uranium detects passed this check.

Laboratory Control Sample

A laboratory control sample (LCS) must be analyzed at the correct frequency (one LCS per 20 samples) to provide information on the accuracy of the analytical method and the overall laboratory performance, including sample preparation.

*Method MCAWW 350.1, Ammonia as N*

Ammonia as N LCSs for sample preparation batches of September 4, 5, and 17, 2007, were analyzed at the required frequency. All ammonia as N concentration recoveries were within the acceptable range, so all ammonia as N detects passed this check.

*Method SW9056, Bromide*

Bromide LCSs for sample preparation batches of August 27, 28, 29, and September 4, 5, 10, and 11, 2007, were analyzed at the required frequency. All bromide concentration recoveries were within the acceptable range, so all bromide detects passed this check.

*Method SW9056, Chloride*

Chloride LCSs for sample preparation batches of August 27, 28, 29, and September 4, 5, 10, and 11, 2007, were analyzed at the required frequency. All chloride concentration recoveries were within the acceptable range, so all chloride detects passed this check.

*Method SW6010, Copper*

There were no copper LCSs, as per the method.

*Method SW6010, Manganese*

There were no manganese LCSs, as per the method.

*Method SW6020, Selenium*

Selenium LCSs for the September 6, 11, and 24, 2007, sample runs were analyzed at the required frequency. All selenium concentration recoveries were within the acceptable range, so all selenium detects passed this check.

#### *Method SW9056, Sulfate*

Sulfate LCSs for sample preparation batches of August 27, 28, 29, and September 4, 5, 10, and 11, 2007, were analyzed at the required frequency. All sulfate concentration recoveries were within the acceptable range, so all sulfate detects passed this check.

#### *Method MCAWW 160.1, Total Dissolved Solids*

TDS LCSs for the August 28, 29, and September 4, 6, 11, and 12, 2007, sample runs were analyzed at the required frequency. All TDS concentration recoveries were within the acceptable range, so all TDS detects passed this check.

#### *Method SW6020, Uranium*

There were no uranium LCSs; however, the method required them, so all uranium detects were flagged for this reason.

#### Detection Limits/Dilutions

The required detection limit (RDL) for all analytes was achieved. Serial dilution samples were required for inductively coupled plasma (ICP) sample analysis (copper, manganese, selenium, and uranium). All the serial dilution samples for copper (except the September 6, 2007, sample run), manganese, selenium, and uranium passed this check and so all detects were accepted, except the September 6 copper detects, which were flagged for this reason.

#### Reporting Limit Verifications (CRI)

CRI standards were analyzed for ICP analytes (copper, manganese, selenium, and uranium) at the beginning of each run in order to rate the machine's accuracy near the reporting limit. The recoveries for the CRI standards for copper, manganese, and uranium were within the acceptable range, so copper, manganese, and uranium detects were accepted. The recovery for the CRI standard for selenium was not within the acceptable range for the September 24, 2007, sample run, so all selenium detects that were less than five times the PQL were flagged for this check.

#### Interference Check Samples (ICS)

ICSs are analyzed to verify the instrument's interelemental and background correction factors. There are two types of ICSs, an ICSA and an ICSAB. For the ICP analytes (copper, manganese, selenium, and uranium), all ICSA and ICSAB standards recoveries were within the acceptable ranges. Using the ICSA standard concentrations for comparisons, three samples had calcium and/or magnesium concentrations that were greater than the ICSA standard concentration, and these samples' copper and manganese detects were checked. Some of these samples' copper and manganese detects were flagged. Not enough information was provided about the ICSA standard to do the same check on the selenium and uranium detects.

### Instrument Tuning

For ICP mass spectrometry (ICP/MS) analytes (uranium and selenium), instrument tuning performance and criteria are established to ensure mass calibration and resolution. These calibrations were checked and found acceptable.

### Internal Standards

For ICP/MS analytes (uranium and selenium), internal standards are measured to indicate the stability of the instrument during the analytical run. Internal standard recoveries were within acceptable ranges except for some of the internal standard recoveries for selenium on September 24, 2007, sample run. Selenium detects associated with these standards were flagged, and all other uranium and selenium detects from all the other sample runs were accepted for this check.

### Completeness

Results were reported in the correct units for all analytes requested using contract-required laboratory qualifiers.

### Electronic Data Deliverable File

The Electronic Data Deliverable (EDD) files arrived on September 21 (Paragon SDGs 0708208, 0708242, and 0708270), September 28 (0708290), and October 8, 2007 (0709040). The contents of the EDD were manually examined to verify that the sample results accurately reflect the data contained in the sample data package and that all and only the requested data were delivered.

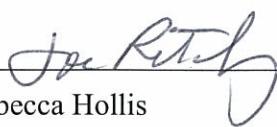
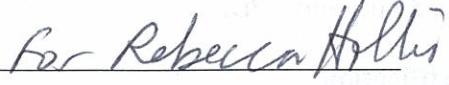
### Equipment Blank

An equipment blank (clean water used to rinse the sampling equipment) was collected after completion of decontamination and prior to collection of environmental samples. This blank is useful in documenting adequate decontamination of sampling equipment. Copper, manganese, uranium, chlorine, and sulfate were detected in the equipment blank (field blank ID 2499). All sample results for manganese, uranium, chlorine, and sulfate were greater than five times the equipment blank concentrations and do not require further qualification; however, certain copper detects were less than five times the equipment blank concentration, and these detects were flagged.

## Field Duplicate Analysis

Field duplicate samples are collected and analyzed as an indication of overall precision of the measurement process. The precision observed includes both field and laboratory precision and has more variability than laboratory duplicates, which measure only laboratory performance. Duplicate samples were collected from locations 0479 on August 20, 2007, 0552 on September 5, 2007, and 0547 on September 6, 2007. All duplicate results met the U.S. Environmental Protection Agency (EPA) recommended laboratory duplicate criteria of less than 20 percent relative difference for results that are greater than five times the practical quantitation limit, indicating acceptable overall precision.

Report Prepared By:

   
Rebecca Hollis

U.S. Department of Energy  
August 2007 Ground Water Interim Action VDP, Moab UMTRA Project  
DOE-EM/GJ1648-2008

## **2.3 Field Analyses/Activities**

The following information summarizes the field analyses and activities for this sampling event period.

### Field Activities

All monitor wells were purged and sampled using the low-flow sampling method; this method was not used at extraction wells. One equipment blank was collected for the non-dedicated surface water collection equipment. Eight duplicate samples were collected. There are no established regulatory criteria for the evaluation of field duplicate samples; therefore, EPA guidance for laboratory duplicates (which is conservative for field duplicates) was used to assess the precision of the field duplicates. All results met the criteria of  $\pm 20$  relative percent difference (RPD) and are considered acceptable, except for the ammonia duplicate result from well 0552 which had a 35 percent RPD.

## **2.4 Certification**

Results were reported in correct units for all analytes requested. Appropriate contract-required laboratory qualifiers and target analyte lists were used. The RDLs were met when possible, or an explanation of why they were not met was given in the laboratory case narrative. All analytical quality control criteria were met except as qualified on the Ground Water Quality Data by Parameter, Surface Water Quality by Parameter, or equipment/trip blank database printouts. The meaning of data qualifiers is defined on the database printouts or defined in the EPA *Contract Laboratory Program Statement of Work for Inorganic Analysis, Multi-Media Multi-Concentration*, Document Number ILMO2.0, 1991. All data in this package are considered validated and may be treated as final results.

Laboratory Validation Lead:

*Jack Ritchy for Rebecca Hollis* 9/11/08  
Rebecca Hollis Date

Ground Water Lead:

*Jack Ritchy for Ken Pill* 9/11/08  
Ken Pill Date

## **3.0 Data Presentation**

This section contains the Minimums and Maximums Report (Section 3.1), the Anomalous Data Review Check Sheet (Section 3.2), a table containing the Water Quality and Water Level Data (Sections 3.3 and 3.4, respectively), and the Blanks Report (Section 3.5).

### **3.1 Minimums and Maximums Report**

The Minimums and Maximums Report is generated by the Sample Management System (SMS) used to query the SEEPro database. The DataVal program compares the new data set with historical data and lists all new data that fall outside the historical data range. Values listed in the report are further screened, and the results are not considered anomalous if: (1) identified low concentrations are the result of low detection limits; (2) the concentration detected is within 50 percent of historical minimum or maximum values; or (3) there were fewer than five historical samples for comparison.

**Data Validation Minimums and Maximums Report - No Field Parameters**

Laboratory: PARAGON (Fort Collins, CO)

RIN: 0708001

Comparison: All Historical Data

Report Date: 6/5/2008

Site Code	Location Code	Sample Date	Analyte	Current			Historical Maximum			Historical Minimum			Count		
				Result	Qualifiers		Result	Qualifiers		Result	Qualifiers		N	N Below Detect	
					Lab	Data		Lab	Data		Lab	Data			
MOA01	0239	08/21/2007	Manganese	0.0042	B		0.04			0.0048	B	U	5	1	
MOA01	0243	08/23/2007	Total Dissolved Solids	850			840			400			16	0	
MOA01	0259	08/29/2007	Sulfate	450		J	320			130			15	1	
MOA01	0259	08/29/2007	Total Dissolved Solids	970			820			410			15	0	
MOA01	0274	09/04/2007	Sulfate	310		J	309			110			10	0	
MOA01	0274	09/05/2007	Sulfate	320		J	310		J	110			11	0	
MOA01	0403	08/30/2007	Manganese	4.7		J	4.3			0.409			12	0	
MOA01	0404	08/28/2007	Chloride	790		J	3300			1100			22	0	
MOA01	0404	08/28/2007	Sulfate	3800		J	11000			4500			22	0	
MOA01	0404	08/28/2007	Total Dissolved Solids	6900			21000			12000			21	0	
MOA01	0404	08/28/2007	Uranium	1.3		J	3.8			2			22	0	
MOA01	0405	08/24/2007	Ammonia Total as N	24		J	560			33			34	0	
MOA01	0405	08/24/2007	Copper	0.00044	U	J	0.035	U	J	0.00075	B	J	8	7	
MOA01	0405	08/24/2007	Selenium	0.008			0.1	U	F	0.014			17	1	
MOA01	0405	08/24/2007	Uranium	0.11		J	3.6			0.2		J	34	0	
MOA01	0407	08/30/2007	Selenium	0.00015		J	0.005	U	F	0.00057	U	F	11	7	
MOA01	0407	08/30/2007	Total Dissolved Solids	700			19000			722			41	0	
MOA01	0408	08/30/2007	Manganese	4.6		J	5.6			4.7			6	0	
MOA01	0408	08/30/2007	Selenium	0.0056		J	0.009			0.0064			6	0	
MOA01	0470	08/20/2007	Manganese	1.6			5			1.7			6	0	
MOA01	0472	08/20/2007	Selenium	0.0014			0.0027			0.0015			5	0	
MOA01	0476	08/20/2007	Selenium	0.0032			0.0092			0.0042			5	0	
MOA01	0478	08/20/2007	Total Dissolved Solids	39000			32000			5500			42	0	
MOA01	0481	09/05/2007	Manganese	5			5.6			5.1			7	0	
MOA01	0481	09/05/2007	Selenium	0.0046			0.0088			0.0049			7	0	
MOA01	0482	09/05/2007	Ammonia Total as N	670			640			500			19	0	
MOA01	0483	09/04/2007	Copper	0.0087	B		0.0083	B	UF	0.00088	U	J	6	6	
MOA01	0484	09/05/2007	Chloride	6100		J	22000			7300		J	33	0	
MOA01	0484	09/05/2007	Manganese	5.7			8			6			6	0	
MOA01	0484	09/05/2007	Total Dissolved Solids	23000			41000			24000			33	0	
MOA01	0488	08/24/2007	Ammonia Total as N	500		J	880			540			41	0	
MOA01	0488	08/24/2007	Chloride	1100		J	2100			1190			41	0	
MOA01	0488	08/24/2007	Manganese	3.6			7.59	N	F	5	J		16	0	
MOA01	0488	08/24/2007	Selenium	0.0085			0.1	U	F	0.0091			16	2	

**Data Validation Minimums and Maximums Report - No Field Parameters**

Laboratory: PARAGON (Fort Collins, CO)

RIN: 0708001

Comparison: All Historical Data

Report Date: 6/5/2008

Site Code	Location Code	Sample Date	Analyte	Current			Historical Maximum			Historical Minimum			Count			
				Result	Qualifiers		Result	Qualifiers		Result	Qualifiers		N	N Below Detect		
					Lab	Data		Lab	Data		Lab	Data				
MOA01	0488	08/24/2007	Total Dissolved Solids	12000			20000			F	13500		F	41	0	
MOA01	0493	08/24/2007	Chloride	1600	J		11000			F	1900		F	33	0	
MOA01	0493	08/24/2007	Manganese	6			9.9				9		F	6	0	
MOA01	0493	08/24/2007	Manganese	5.8			9.9				9		F	6	0	
MOA01	0493	08/24/2007	Selenium	0.0095			0.019			F	0.01			6	0	
MOA01	0493	08/24/2007	Sulfate	8900	J		18000			F	12000		F	33	0	
MOA01	0493	08/24/2007	Sulfate	8600	J		18000			F	12000		F	33	0	
MOA01	0493	08/24/2007	Total Dissolved Solids	15000			38000			F	18000		F	33	0	
MOA01	0493	08/24/2007	Uranium	0.24	J		3.9			F	2.5		F	33	0	
MOA01	0495	08/23/2007	Ammonia Total as N	0.1	U	J	430			F	0.64		QF	14	0	
MOA01	0495	08/23/2007	Chloride	290		J	5700			QF	744		QF	14	0	
MOA01	0495	08/23/2007	Sulfate	2000		J	18200			FQ	3320		FQ	14	0	
MOA01	0495	08/23/2007	Total Dissolved Solids	4100			38800			QF	6860		QF	14	0	
MOA01	0496	08/23/2007	Ammonia Total as N	49	J		380			QF	97			13	0	
MOA01	0496	08/23/2007	Chloride	120		J	2900			FQ	430		J	12	0	
MOA01	0496	08/23/2007	Manganese	0.59			6.62	E		QF	0.7		J	7	0	
MOA01	0496	08/23/2007	Selenium	0.0024			0.0359			QF	0.0057		FQ	6	0	
MOA01	0496	08/23/2007	Sulfate	540		J	11000			FQ	2100		J	12	0	
MOA01	0496	08/23/2007	Total Dissolved Solids	1100			20000			FQ	4000			13	0	
MOA01	0557	09/05/2007	Manganese	5.3			6.1			J	5.4		F	6	0	
MOA01	0558	08/30/2007	Selenium	0.0019	J		0.0093			F	0.0025		J	6	0	
MOA01	0563	08/22/2007	Selenium	0.00015			0.0181			QF	0.00054		FQ	7	0	
MOA01	0564	08/22/2007	Uranium	0.0081	J		0.0056			QF	0.00003		B	UQF	6	2
MOA01	0578	08/21/2007	Sulfate	7400			13000			F	7500			11	0	
MOA01	0583	08/30/2007	Manganese	3.6	J		5.3			J	4		J	7	0	
MOA01	0584	08/30/2007	Manganese	4.1	J		5.6			J	4.3		J	6	0	
MOA01	0584	08/30/2007	Selenium	0.0065	J		0.0094			F	0.0075		F	6	0	
MOA01	0597	08/23/2007	Ammonia Total as N	30	J		522			QF	31		QF	12	0	
MOA01	0597	08/23/2007	Chloride	81	J		2900			QF	120		QF	12	0	
MOA01	0597	08/23/2007	Sulfate	320	J		10000			FQ	516		FQ	12	0	
MOA01	0597	08/23/2007	Total Dissolved Solids	680			19900			QF	1200		QF	11	0	
MOA01	0597	08/23/2007	Uranium	0.12	J		3.67	N		QFJ	0.51		QF	11	0	

**Data Validation Minimums and Maximums Report - No Field Parameters**

Laboratory: PARAGON (Fort Collins, CO)

RIN: 0708001

Comparison: All Historical Data

Report Date: 6/5/2008

Site Code	Location Code	Sample Date	Analyte	Current			Historical Maximum			Historical Minimum			Count	
				Result	Qualifiers	Lab Data	Result	Qualifiers	Lab Data	Result	Qualifiers	Lab Data	N	N Below Detect
MOA01	0598	08/23/2007	Ammonia Total as N	78	J	560	QF	120	QF	17	QF	17	0	
MOA01	0598	08/23/2007	Bromide	0.4	U	10	U	FQ	0.486	J	F	17	15	
MOA01	0598	08/23/2007	Chloride	92	J	2500	F	210	J	16	QF	8	0	
MOA01	0598	08/23/2007	Manganese	0.53		8	E	QF	0.693		FQ	7	0	
MOA01	0598	08/23/2007	Selenium	0.0089		0.089	F	0.009						
MOA01	0598	08/23/2007	Sulfate	880	J	10000	FQ	1300	J	17	QF	17	0	
MOA01	0598	08/23/2007	Total Dissolved Solids	1500		18000	F	4180			FQ	17	0	
MOA01	0598	08/23/2007	Uranium	0.29	J	4.52	QF	0.5			FQ	17	0	
MOA01	0599	08/23/2007	Ammonia Total as N	96	J	500	QF	332			QF	10	0	
MOA01	0599	08/23/2007	Chloride	190	J	2600	QF	1230			FQ	10	0	
MOA01	0599	08/23/2007	Sulfate	1000	J	9800	QF	4980			FQ	10	0	
MOA01	0599	08/23/2007	Total Dissolved Solids	2000		17000	QF	10700			FQ	10	0	
MOA01	0599	08/23/2007	Uranium	0.64	J	4.38	QF	1.64			FQ	10	0	
MOA01	0604	08/21/2007	Total Dissolved Solids	3100		9330	F	5930			QF	5	0	
MOA01	0607	08/22/2007	Selenium	0.00062		0.01	U	QF	0.001	U	FQ	6	3	
MOA01	0611	08/22/2007	Ammonia Total as N	1	J	3.1	F	1.1			QF	8	0	
MOA01	0611	08/22/2007	Uranium	0.000019	B	0.0284	FQ	0.00014			F	8	0	
MOA01	0612	08/22/2007	Uranium	0.000005	9	U	J	0.18			QF	9	0	
MOA01	0614	08/21/2007	Bromide	1	U	128	U	F	2.8		QF	5	4	
MOA01	0614	08/21/2007	Chloride	480	J	6900	J	F	3670		QF	5	0	
MOA01	0614	08/21/2007	Sulfate	1900	J	24800	J	F	5710		QF	5	0	
MOA01	0614	08/21/2007	Total Dissolved Solids	4100		24900	QF	15600			F	5	0	
MOA01	0615	08/21/2007	Uranium	0.000005	9	U	J	0.41			QF	8	0	
MOA01	0616	08/21/2007	Uranium	0.000005	9	U	J	0.319			FQ	10	0	
MOA01	0617	08/23/2007	Chloride	130	J	4100	QF	344			FQ	9	0	
MOA01	0617	08/23/2007	Sulfate	780	J	15000	QF	1250			FQ	9	0	
MOA01	0617	08/23/2007	Total Dissolved Solids	1600		29000	QF	2570			FQ	10	0	
MOA01	0617	08/23/2007	Uranium	0.52	J	3	QF	1			QF	9	0	
MOA01	0618	08/23/2007	Ammonia Total as N	59	J	490	QF	124			FQ	10	0	
MOA01	0618	08/23/2007	Bromide	0.4	U	25	U	FQ	0.621		QF	10	8	
MOA01	0618	08/23/2007	Chloride	130	J	2800	QF	909			QF	10	0	

### Data Validation Minimums and Maximums Report – No Field Parameters

Laboratory: PARAGON (Fort Collins, CO)

RIN: 0708001

Comparison: All Historical Data

Report Date: 6/5/2008

Site Code	Location Code	Sample Date	Analyte	Current			Historical Maximum			Historical Minimum			Count	
				Result	Qualifiers		Result	Qualifiers		Result	Qualifiers		N	N Below Detect
MOA01	0618	08/23/2007	Sulfate	710	J	9900	QF	3170	FQ	10	0			
MOA01	0618	08/23/2007	Total Dissolved Solids	1400		18000	QF	3740	FQ	10	0			
MOA01	0670	08/21/2007	Ammonia Total as N	84	J	580		90	F	22	0			
MOA01	0670	08/21/2007	Chloride	290		6100		520	F	21	0			
MOA01	0670	08/21/2007	Manganese	0.79		6.1		3.4	J	6	0			
MOA01	0670	08/21/2007	Selenium	0.0075		0.014		0.01		6	0			
MOA01	0670	08/21/2007	Sulfate	1300		9500		2000	F	22	0			
MOA01	0670	08/21/2007	Total Dissolved Solids	2400		22000		3900	F	22	0			
MOA01	0670	08/21/2007	Uranium	0.35	J	3.1		0.42	F	22	0			
MOA01	0671	08/21/2007	Ammonia Total as N	80	J	540		180	F	15	0			
MOA01	0671	08/21/2007	Chloride	270		7200		1400	F	15	0			
MOA01	0671	08/21/2007	Sulfate	1200		8900		5300	F	15	0			
MOA01	0671	08/21/2007	Total Dissolved Solids	2200		24000		11000	F	15	0			
MOA01	0671	08/21/2007	Uranium	0.31	J	3.1		2.1		15	0			
MOA01	0672	08/21/2007	Chloride	360		14000		520	F	21	0			
MOA01	0672	08/21/2007	Manganese	0.98		5.8	F	2.7	J	5	0			
MOA01	0672	08/21/2007	Selenium	0.0076		0.015		0.0078		5	0			
MOA01	0672	08/21/2007	Sulfate	1400		12000		3800	F	22	0			
MOA01	0672	08/21/2007	Total Dissolved Solids	2700		30000	J	7400	F	22	0			
MOA01	0672	08/21/2007	Uranium	0.46	J	3.9	F	1.4	J	22	0			
MOA01	0673	08/21/2007	Ammonia Total as N	83	J	940		84	F	15	0			
MOA01	0673	08/21/2007	Chloride	260		14000		990	F	15	0			
MOA01	0673	08/21/2007	Sulfate	1200		12000		4800	F	15	0			
MOA01	0673	08/21/2007	Total Dissolved Solids	2200		33000		10000	F	15	0			
MOA01	0673	08/21/2007	Uranium	0.3	J	3.2		1.9	F	15	0			
MOA01	0674	08/21/2007	Chloride	260		12000		730		24	0			
MOA01	0674	08/21/2007	Copper	0.0017	B	J	0.025	B	U	0.0044	U	J	5	5
MOA01	0674	08/21/2007	Manganese	0.7		5.7		2.7	J	5	0			
MOA01	0674	08/21/2007	Selenium	0.0073		0.016		0.01		5	0			
MOA01	0674	08/21/2007	Total Dissolved Solids	2200		30000		10000		24	0			
MOA01	0674	08/21/2007	Uranium	0.33	J	3.4	F	1.5	J	24	0			
MOA01	0675	08/21/2007	Ammonia Total as N	82		570		100	F	16	0			
MOA01	0675	08/21/2007	Chloride	260		8200		2400		16	0			
MOA01	0675	08/21/2007	Sulfate	1100		10000	F	8300	F	16	0			

**Data Validation Minimums and Maximums Report - No Field Parameters**

Laboratory: PARAGON (Fort Collins, CO)

RIN: 0708001

Comparison: All Historical Data

Report Date: 6/5/2008

Site Code	Location Code	Sample Date	Analyte	Current			Historical Maximum			Historical Minimum			Count	
				Result	Qualifiers	Lab Data	Result	Qualifiers	Lab Data	Result	Qualifiers	Lab Data	N	N Below Detect
MOA01	0675	08/21/2007	Total Dissolved Solids	2300			27000			17000			16	0
MOA01	0675	08/21/2007	Uranium	0.33		J	5.3		F	2.6			16	0
MOA01	0676	08/21/2007	Chloride	400			3900			1900			21	0
MOA01	0676	08/21/2007	Copper	0.016	B	J	0.015	B	UF	0.0029	U		5	4
MOA01	0676	08/21/2007	Manganese	1.1			5.3			3.7			5	0
MOA01	0676	08/21/2007	Selenium	0.0075			0.023			0.012			5	0
MOA01	0676	08/21/2007	Sulfate	1700			11000		F	6500		J	22	0
MOA01	0676	08/21/2007	Total Dissolved Solids	3200			25000		F	13000			22	0
MOA01	0676	08/21/2007	Uranium	0.53		J	4.6		F	2.1		J	22	0
MOA01	0677	08/21/2007	Chloride	230			5500			1800			15	0
MOA01	0677	08/21/2007	Sulfate	1100			14000			5300			15	0
MOA01	0677	08/21/2007	Total Dissolved Solids	2100			24000		F	11000			15	0
MOA01	0677	08/21/2007	Uranium	0.3		J	4.2		F	2.2			15	0
MOA01	0678	08/21/2007	Chloride	240			4900			450		J	24	0
MOA01	0678	08/21/2007	Manganese	0.68			5.8		F	0.86		J	7	0
MOA01	0678	08/21/2007	Total Dissolved Solids	2100			25000		F	3100			25	0
MOA01	0678	08/21/2007	Uranium	0.31		J	4.3		F	0.51		J	25	0
MOA01	0679	08/21/2007	Chloride	280			4300			1500			18	0
MOA01	0679	08/21/2007	Sulfate	1300			13000			5600			18	0
MOA01	0679	08/21/2007	Total Dissolved Solids	2500			24000		F	10000			18	0
MOA01	0679	08/21/2007	Uranium	0.36		J	4.7			2.1			18	0
MOA01	0681	08/28/2007	Uranium	3		J	2.7		F	0.39		F	5	0
MOA01	0682	08/28/2007	Chloride	1600		J	2300		F	1900		F	20	0
MOA01	0682	08/28/2007	Manganese	4.2			5.8		J	5.2		F	7	0
MOA01	0682	08/28/2007	Manganese	4.4			5.8		J	5.2		F	7	0
MOA01	0682	08/28/2007	Sulfate	7300		J	10000			8600		F	20	0
MOA01	0682	08/28/2007	Sulfate	7100		J	10000			8600		F	20	0
MOA01	0682	08/28/2007	Total Dissolved Solids	14000			19000		F	15000		F	20	0
MOA01	0682	08/28/2007	Total Dissolved Solids	13000			19000		F	15000		F	20	0
MOA01	0683	08/28/2007	Ammonia Total as N	260		J	510			340		F	22	0
MOA01	0683	08/28/2007	Chloride	840		J	2900		F	1700		J	22	0
MOA01	0683	08/28/2007	Manganese	2.3			5.4		F	4.6		J	6	0
MOA01	0683	08/28/2007	Selenium	0.013		J	0.024		F	0.016			6	0

**Data Validation Minimums and Maximums Report - No Field Parameters**

Laboratory: PARAGON (Fort Collins, CO)

RIN: 0708001

Comparison: All Historical Data

Report Date: 6/5/2008

Site Code	Location Code	Sample Date	Analyte	Current			Historical Maximum			Historical Minimum			Count	
				Result	Qualifiers	Lab Data	Result	Qualifiers	Lab Data	Result	Qualifiers	Lab Data	N	N Below Detect
MOA01	0683	08/28/2007	Sulfate	4000	J	9900	F	7700	J	22	0			
MOA01	0683	08/28/2007	Total Dissolved Solids	7400		20000	F	14000	F	22	0			
MOA01	0683	08/28/2007	Uranium	1.4	J	3.2	F	2	F	22	0			
MOA01	0684	08/28/2007	Ammonia Total as N	0.43	J	240	F	0.63	F	5	0			
MOA01	0684	08/28/2007	Sulfate	980	J	7400	F	1200		5	0			
MOA01	0684	08/28/2007	Total Dissolved Solids	1800		14000	F	2100		5	0			
MOA01	0685	08/27/2007	Ammonia Total as N	40	J	470	F	150		7	0			
MOA01	0685	08/27/2007	Chloride	90	J	4200	F	260	F	7	0			
MOA01	0685	08/27/2007	Sulfate	340	J	13000	F	4100		7	0			
MOA01	0685	08/27/2007	Total Dissolved Solids	670		26000	F	6300		7	0			
MOA01	0685	08/27/2007	Uranium	0.13	J	5.9	F	1.4	F	7	0			
MOA01	0686	08/28/2007	Chloride	98	J	4060	F	300	F	15	0			
MOA01	0686	08/28/2007	Selenium	0.0014	J	0.0202	F	0.0078	F	12	1			
MOA01	0686	08/28/2007	Sulfate	1200	J	11000	F	1900	F	15	0			
MOA01	0686	08/28/2007	Total Dissolved Solids	2100		25800	F	3600	F	15	0			
MOA01	0686	08/28/2007	Uranium	0.15	J	5.2	E	FJ	0.86	F	15	0		
MOA01	0687	08/28/2007	Chloride	890	J	4900	F	1500	J	20	0			
MOA01	0687	08/28/2007	Manganese	2.2		7.4	N	F	3.5	J	13	0		
MOA01	0687	08/28/2007	Sulfate	4300	J	11300	F	6600	J	20	0			
MOA01	0687	08/28/2007	Total Dissolved Solids	7600		23000	F	12000	F	19	0			
MOA01	0687	08/28/2007	Uranium	1.5	J	3.9	E	FJ	1.9	F	20	0		
MOA01	0688	08/28/2007	Manganese	4		6.1	F	4.2	F	6	0			
MOA01	0688	08/28/2007	Sulfate	8100	J	59000	J	8200	F	24	0			
MOA01	0688	08/28/2007	Total Dissolved Solids	15000		46000	F	16000	F	24	0			
MOA01	0690	08/29/2007	Ammonia Total as N	1.5	J	0.83		0.1	U	FQ	6	1		
MOA01	0690	08/29/2007	Selenium	0.0036	J	0.0151	FQ	0.0044			5	0		
MOA01	0690	08/29/2007	Sulfate	3300	J	7300	QF	4500	FQ	6	0			
MOA01	0690	08/29/2007	Total Dissolved Solids	7400		14000	QF	8800	FQ	6	0			
MOA01	0691	08/29/2007	Copper	0.013	B	0.0089	B	QF	0.0017	U	J	6	4	
MOA01	0692	08/29/2007	Copper	0.015	B	0.0064	J	FQ	0.0029	U	QF	6	4	
MOA01	0692	08/29/2007	Manganese	2.1		5.14	QF	2.8	J	11	0			

**Data Validation Minimums and Maximums Report - No Field Parameters**

Laboratory: PARAGON (Fort Collins, CO)

RIN: 0708001

Comparison: All Historical Data

Report Date: 6/5/2008

Site Code	Location Code	Sample Date	Analyte	Current Qualifiers			Historical Maximum Qualifiers			Historical Minimum Qualifiers			Count	
				Result	Lab	Data	Result	Lab	Data	Result	Lab	Data	N	N Below Detect
MOA01	0694	08/29/2007	Ammonia Total as N	290	J	266	QF	83.7	QF	5	QF	5	0	
MOA01	0696	08/29/2007	Ammonia Total as N	130	J	68	QF	16	QF	8	QF	8	0	
MOA01	0696	08/29/2007	Chloride	490	J	272	QF	57	QF	8	QF	8	0	
MOA01	0696	08/29/2007	Sulfate	1600	J	1060	QF	200	QF	8	QF	8	0	
MOA01	0696	08/29/2007	Uranium	0.47	J	0.318	FQ	0.0011	FQ	6	FQ	6	0	
MOA01	0697	08/29/2007	Chloride	2400	J	2070	QF	86.7	JQF	10	JQF	10	0	
MOA01	0697	08/29/2007	Sulfate	7600	J	6930	QF	374	JQF	10	JQF	10	0	
MOA01	0697	08/29/2007	Total Dissolved Solids	15000		12200	QF	802	QF	10	QF	10	0	
MOA01	0725	08/23/2007	Manganese	0.38		3.7	N	FQ	0.48	J	6	J	6	0
MOA01	0725	08/23/2007	Sulfate	540	J	2000	J	1200	J	8	J	8	0	
MOA01	0725	08/23/2007	Total Dissolved Solids	1100		3300		2100		8		8	0	
MOA01	0726	08/23/2007	Ammonia Total as N	8.8	J	139	QF	10	J	6	J	6	0	
MOA01	0726	08/23/2007	Copper	0.00044	U	0.003	U	QF	0.0012	B	J	5	4	
MOA01	0726	08/23/2007	Selenium	0.00052		0.0822	QF	0.0037	J	FQ	5	0		
MOA01	0726	08/23/2007	Sulfate	360	J	1600	J	417	FQ	5	FQ	5	0	
MOA01	0726	08/23/2007	Total Dissolved Solids	810		4520	QF	900	QF	6	QF	6	0	
MOA01	0770	08/20/2007	Selenium	0.00061		0.0029		0.001	UF	5	UF	5	1	
MOA01	0771	08/20/2007	Ammonia Total as N	230		950	F	270	F	5	F	5	0	
MOA01	0772	08/20/2007	Ammonia Total as N	91		960	F	130		12		12	0	
MOA01	0772	08/20/2007	Chloride	800		43000	F	2600	J	11	J	11	0	
MOA01	0772	08/20/2007	Selenium	0.00065		0.0026		0.00097	J	5	J	5	1	
MOA01	0774	08/20/2007	Selenium	0.00068		0.003		0.001	J	5	J	5	1	
MOA01	0777	08/20/2007	Total Dissolved Solids	19000		82000	F	20000		5		5	0	
MOA01	0778	08/20/2007	Selenium	0.00076		0.0027		0.001	J	5	J	5	1	
MOA01	0779	08/20/2007	Uranium	1	J	2.2	F	1.2		5		5	0	
MOA01	0780	09/05/2007	Chloride	2700	J	7000	F	2900	J	14	J	14	0	
MOA01	0780	09/05/2007	Manganese	4.7		6.5	F	5.4	J	7	J	7	0	
MOA01	0781	09/05/2007	Ammonia Total as N	25		420	F	45		14		14	0	
MOA01	0781	09/05/2007	Chloride	60000	J	57000	F	37000	F	14	F	14	0	
MOA01	0781	09/05/2007	Copper	0.39	B	0.089	B	0.027	B	6	B	6	4	
MOA01	0781	09/05/2007	Selenium	0.0062		0.0052	F	0.0022	F	6	F	6	0	

**Data Validation Minimums and Maximums Report - No Field Parameters**

Laboratory: PARAGON (Fort Collins, CO)

RIN: 0708001

Comparison: All Historical Data

Report Date: 6/5/2008

Site Code	Location Code	Sample Date	Analyte	Current			Historical Maximum			Historical Minimum			Count		
				Result	Qualifiers		Result	Qualifiers		Result	Qualifiers		N	N Below Detect	
					Lab	Data		Lab	Data		Lab	Data			
MOA01	0781	09/05/2007	Uranium	0.032	J	1.3	F	0.12	J	14		0			
MOA01	0782	09/05/2007	Chloride	54000	J	53000	F	7200			F	14	0		
MOA01	0782	09/05/2007	Copper	0.12	B	0.076	B	UF	0.014	U	F	6	5		
MOA01	0785	09/05/2007	Sulfate	290	UJ	7700	F	470				5	0		
MOA01	0785	09/05/2007	Total Dissolved Solids	780		89000	F	950				5	0		
MOA01	0785	09/05/2007	Total Dissolved Solids	790		89000	F	950				5	0		
MOA01	0785	09/05/2007	Uranium	0.058	J	3.2	F	0.059				5	0		
MOA01	0786	09/05/2007	Selenium	0.00055		0.01	F	0.00092				6	0		
MOA01	0787	09/05/2007	Ammonia Total as N	340		190	F	32			F	13	0		
MOA01	0787	09/05/2007	Copper	0.29	B	0.17	B	UF	0.001	B	F	6	3		
MOA01	0787	09/05/2007	Manganese	7.5		7	J	0.21			F	6	0		
MOA01	0787	09/05/2007	Uranium	0.11	J	0.72	F	0.13			F	13	0		
MOA01	0790	09/04/2007	Selenium	0.00012	UJ	0.0134	F	0.00049			F	5	1		
MOA01	0791	09/04/2007	Chloride	110	J	5500	FQ	120			F	10	0		
MOA01	0791	09/04/2007	Uranium	0.026	J	2.7	FQ	0.035			J	10	0		
MOA01	0792	09/04/2007	Chloride	2700	J	6700	QF	3300				9	0		
MOA01	0792	09/04/2007	Manganese	0.73		4.01	QF	1.3			J	6	0		
MOA01	0792	09/04/2007	Sulfate	2500	J	8300	QF	3200			J	9	0		
MOA01	0792	09/04/2007	Total Dissolved Solids	7600		22000	QF	10000				9	0		
MOA01	0792	09/04/2007	Uranium	0.32	J	1.6	QF	0.4			J	9	0		
MOA01	SMI-PW01	09/06/2007	Ammonia Total as N	320		1620					F	26	0		
MOA01	SMI-PW01	09/06/2007	Sulfate	6700	J	14569					F	26	0		
MOA01	SMI-PW01	09/06/2007	Sulfate	6600	J	14569					F	26	0		
MOA01	SMI-PZ1M	09/06/2007	Ammonia Total as N	790		1590					F	15	0		
MOA01	SMI-PZ1M	09/06/2007	Chloride	2200	J	14600					F	15	0		
MOA01	SMI-PZ1M	09/06/2007	Sulfate	12000	J	17000	F	14000			F	15	0		
MOA01	SMI-PZ1M	09/06/2007	Total Dissolved Solids	20000		36000	F	27000			F	14	0		
MOA01	SMI-PZ1M	09/06/2007	Uranium	2.5	J	3.9	F	3.1			F	15	0		

### Data Validation Minimums and Maximums Report - No Field Parameters

Laboratory: PARAGON (Fort Collins, CO)

RIN: 0708001

Comparison: All Historical Data

Report Date: 6/5/2008

Site Code	Location Code	Sample Date	Analyte	Current			Historical Maximum			Historical Minimum			Count	
				Result	Qualifiers	Lab Data	Result	Qualifiers	Lab Data	Result	Qualifiers	Lab Data	N	N Below Detect
MOA01	SMI-PZ1S	09/06/2007	Ammonia Total as N	240			565			300	F	15	0	
MOA01	SMI-PZ1S	09/06/2007	Chloride	820	J		2800			1100	F	15	0	
MOA01	SMI-PZ1S	09/06/2007	Sulfate	4600	J		9500			6600	F	15	0	
MOA01	SMI-PZ1S	09/06/2007	Total Dissolved Solids	8400			20000			11000	F	14	0	

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

#### LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- > Result above upper detection limit.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- C Pesticide result confirmed by GC-MS.
- D Analyte determined in diluted sample.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- J Estimated
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- P > 25% difference in detected pesticide or Aroclor concentrations between 2 columns.
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- X,Y,Z Laboratory defined qualifier, see case narrative.

#### DATA QUALIFIERS:

- |                                                      |                                                 |                    |
|------------------------------------------------------|-------------------------------------------------|--------------------|
| F Low flow sampling method used.                     | G Possible grout contamination, pH > 9.         | J Estimated value. |
| L Less than 3 bore volumes purged prior to sampling. | Q Qualitative result due to sampling technique. | R Unusable result. |
| U Parameter analyzed for but was not detected.       | X Location is undefined.                        |                    |

### 3.2 Anomalous Data Review Checksheet

Any results that are considered anomalous based on the Minimums and Maximums Report are listed below.

Site: Moab Processing Site Sampling Date: August 20 – September 6, 2007

Reviewer: Rachel Cowan  
Name Rachel Cowan Signature Joe Ritchey for Rachel Cowan 9/1/08 Date 9/1/08

Site Lead: Joe Ritchey  
Name Joe Ritchey Signature Joe Ritchey Date 9/1/08

Loc. No.	Analyte	Type of Anomaly	Disposition
0407	Selenium	Low	Result of low detection limits
0493	Uranium	Low	Result of dilution from high river stage
0495	Ammonia	Low	Result of low detection limits
0495	Chloride	Low	Result of dilution from high river stage
0496	Chloride	Low	Result of dilution from high river stage
0496	Selenium	Low	Result of low detection limits
0496	Sulfate	Low	Result of dilution from high river stage
0496	TDS	Low	Result of dilution from high river stage
0563	Selenium	Low	Result of low detection limits
0597	Uranium	Low	Result of dilution from high river stage
0598	Chloride	Low	Result of dilution from high river stage
0598	TDS	Low	Result of dilution from high river stage
0599	Ammonia	Low	Result of dilution from high river stage
0599	Chloride	Low	Result of dilution from high river stage
0599	Sulfate	Low	Result of dilution from high river stage
0599	TDS	Low	Result of dilution from high river stage
0599	Uranium	Low	Result of dilution from high river stage
0611	Uranium	Low	Result of low detection limits
0612	Uranium	Low	Result of low detection limits
0614	Bromide	Low	Result of dilution from high river stage
0614	Chloride	Low	Result of dilution from high river stage

<b>Loc. No.</b>	<b>Analyte</b>	<b>Type of Anomaly</b>	<b>Disposition</b>
0614	Sulfate	Low	Result of dilution from high river stage
0614	TDS	Low	Result of dilution from high river stage
0615	Uranium	Low	Result of low detection limits
0616	Uranium	Low	Result of low detection limits
0617	Chloride	Low	Result of dilution from high river stage
0618	Ammonia	Low	Result of dilution from high river stage
0618	Chloride	Low	Result of dilution from high river stage
0618	Sulfate	Low	Result of dilution from high river stage
0618	TDS	Low	Result of dilution from high river stage
0670	Manganese	Low	Result of dilution from high river stage
0671	Ammonia	Low	Result of dilution from high river stage
0671	Chloride	Low	Result of dilution from high river stage
0671	Sulfate	Low	Result of dilution from high river stage
0671	TDS	Low	Result of dilution from high river stage
0671	Uranium	Low	Result of dilution from high river stage
0672	Manganese	Low	Result of dilution from high river stage
0672	Sulfate	Low	Result of dilution from high river stage
0672	TDS	Low	Result of dilution from high river stage
0672	Uranium	Low	Result of dilution from high river stage
0673	Sulfate	Low	Result of dilution from high river stage
0673	TDS	Low	Result of dilution from high river stage
0673	Uranium	Low	Result of dilution from high river stage
0674	Chloride	Low	Result of dilution from high river stage
0674	Copper	Low	Result of dilution from high river stage
0674	Manganese	Low	Result of dilution from high river stage
0674	TDS	Low	Result of dilution from high river stage
0674	Uranium	Low	Result of dilution from high river stage
0675	Chloride	Low	Result of dilution from high river stage
0675	Sulfate	Low	Result of dilution from high river stage
0675	TDS	Low	Result of dilution from high river stage
0675	Uranium	Low	Result of dilution from high river stage
0676	Chloride	Low	Result of dilution from high river stage

<b>Loc. No.</b>	<b>Analyte</b>	<b>Type of Anomaly</b>	<b>Disposition</b>
0676	Manganese	Low	Result of dilution from high river stage
0676	Sulfate	Low	Result of dilution from high river stage
0676	TDS	Low	Result of dilution from high river stage
0676	Uranium	Low	Result of dilution from high river stage
0677	Chloride	Low	Result of dilution from high river stage
0677	Sulfate	Low	Result of dilution from high river stage
0677	TDS	Low	Result of dilution from high river stage
0677	Uranium	Low	Result of dilution from high river stage
0679	Chloride	Low	Result of dilution from high river stage
0679	Sulfate	Low	Result of dilution from high river stage
0679	TDS	Low	Result of dilution from high river stage
0679	Uranium	Low	Result of dilution from high river stage
0683	Chloride	Low	Result of dilution from high river stage
0685	Ammonia	Low	Result of dilution from high river stage
0685	Chloride	Low	Result of dilution from high river stage
0685	Sulfate	Low	Result of dilution from high river stage
0685	TDS	Low	Result of dilution from high river stage
0685	Uranium	Low	Result of dilution from high river stage
0686	Chloride	Low	Result of dilution from high river stage
0686	Selenium	Low	Result of low detection limits
0686	Uranium	Low	Result of dilution from high river stage
0690	Ammonia	High	Undetermined
0692	Copper	High	Undetermined
0696	Ammonia	High	Undetermined
0696	Chloride	High	Undetermined
0696	Sulfate	High	Undetermined
0725	Sulfate	Low	Result of dilution from high river stage
0726	Copper	Low	Result of low detection limits
0726	Selenium	Low	Result of low detection limits
0772	Chloride	Low	Result of dilution from high river stage
0781	Copper	High	Undetermined
0781	Uranium	Low	Result of dilution from high river stage

<b>Loc. No.</b>	<b>Analyte</b>	<b>Type of Anomaly</b>	<b>Disposition</b>
0782	Copper	High	Undetermined
0787	Ammonia	High	Undetermined
0787	Copper	High	Undetermined
0790	Selenium	Low	Result of low detection limits
SMI-PZ1M	Chloride	Low	Undetermined

### **3.3 Water Quality Data**

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)			Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Alkalinity, Total (As CaCO3)	mg/L	0239	SL	08/21/2007	0001	0	-	0	190			#		
Alkalinity, Total (As CaCO3)	mg/L	0243	SL	08/23/2007	0001	0	-	0	260			#		
Alkalinity, Total (As CaCO3)	mg/L	0245	SL	08/22/2007	0001	0	-	0	250			#		
Alkalinity, Total (As CaCO3)	mg/L	0274	SL	09/04/2007	0001	0	-	0	160			#		
Alkalinity, Total (As CaCO3)	mg/L	0274	SL	09/05/2007	0001	0	-	0	130			#		
Alkalinity, Total (As CaCO3)	mg/L	0401	WL	08/30/2007	0001	18	-	18	640			#		
Alkalinity, Total (As CaCO3)	mg/L	0403	WL	08/30/2007	0001	18	-	18	770			#		
Alkalinity, Total (As CaCO3)	mg/L	0404	WL	08/28/2007	0001	18	-	18	320			#		
Alkalinity, Total (As CaCO3)	mg/L	0405	WL	08/24/2007	0001	18	-	18	122			#		
Alkalinity, Total (As CaCO3)	mg/L	0407	WL	08/30/2007	0001	18	-	18	200			#		
Alkalinity, Total (As CaCO3)	mg/L	0408	WL	08/30/2007	0001	26	-	26	892			#		
Alkalinity, Total (As CaCO3)	mg/L	0470	WL	08/20/2007	0001	10.3	-	19.7	550			#		
Alkalinity, Total (As CaCO3)	mg/L	0471	WL	08/20/2007	0001	10.3	-	19.7	800			#		
Alkalinity, Total (As CaCO3)	mg/L	0472	WL	08/20/2007	0001	10.3	-	19.7	550			#		
Alkalinity, Total (As CaCO3)	mg/L	0473	WL	08/20/2007	0001	10.3	-	19.7	630			#		
Alkalinity, Total (As CaCO3)	mg/L	0474	WL	08/20/2007	0001	10.3	-	19.7	630			#		
Alkalinity, Total (As CaCO3)	mg/L	0475	WL	08/20/2007	0001	10.3	-	19.7	730			#		
Alkalinity, Total (As CaCO3)	mg/L	0476	WL	08/20/2007	0001	10.3	-	19.7	1000			#		
Alkalinity, Total (As CaCO3)	mg/L	0477	WL	08/20/2007	0001	10.3	-	19.7	800			#		
Alkalinity, Total (As CaCO3)	mg/L	0478	WL	08/20/2007	0001	9.6	-	23.9	1016			#		
Alkalinity, Total (As CaCO3)	mg/L	0479	WL	08/20/2007	0001	9.3	-	23.6	780			#		
Alkalinity, Total (As CaCO3)	mg/L	0480	WL	09/05/2007	0001	18	-	18	914			#		
Alkalinity, Total (As CaCO3)	mg/L	0481	WL	09/05/2007	0001	28	-	28	970			#		
Alkalinity, Total (As CaCO3)	mg/L	0482	WL	09/05/2007	0001	58	-	58	276			#		
Alkalinity, Total (As CaCO3)	mg/L	0483	WL	09/04/2007	0001	18	-	18	734			#		
Alkalinity, Total (As CaCO3)	mg/L	0484	WL	09/05/2007	0001	28	-	28	970			#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**  
**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Alkalinity, Total (As CaCO3)	mg/L	0485	WL	09/04/2007	0001	58	-	58	260		#		
Alkalinity, Total (As CaCO3)	mg/L	0488	WL	08/24/2007	0001	39	-	39	720		#		
Alkalinity, Total (As CaCO3)	mg/L	0493	WL	08/24/2007	0001	54	-	54	750		#		
Alkalinity, Total (As CaCO3)	mg/L	0495	WL	08/23/2007	0001	4.6	-	5.6	290		#		
Alkalinity, Total (As CaCO3)	mg/L	0547	TS	09/06/2007	0001	0	-	0	700		#		
Alkalinity, Total (As CaCO3)	mg/L	0548	TS	09/06/2007	0001	0	-	0	600		#		
Alkalinity, Total (As CaCO3)	mg/L	0552	WL	09/05/2007	0001	18	-	18	850		#		
Alkalinity, Total (As CaCO3)	mg/L	0555	WL	08/30/2007	0001	18	-	18	850		#		
Alkalinity, Total (As CaCO3)	mg/L	0557	WL	09/05/2007	0001	40	-	40	948		#		
Alkalinity, Total (As CaCO3)	mg/L	0558	WL	08/30/2007	0001	36	-	36	504		#		
Alkalinity, Total (As CaCO3)	mg/L	0559	WL	09/04/2007	0001	19	-	19	618		#		
Alkalinity, Total (As CaCO3)	mg/L	0560	WL	09/04/2007	0001	31	-	31	494		#		
Alkalinity, Total (As CaCO3)	mg/L	0561	WL	09/04/2007	0001	50	-	50	282		#		
Alkalinity, Total (As CaCO3)	mg/L	0562	WL	08/22/2007	0001	1.3	-	2.3	230		#		
Alkalinity, Total (As CaCO3)	mg/L	0563	WL	08/22/2007	0001	4.6	-	5.6	248		#		
Alkalinity, Total (As CaCO3)	mg/L	0564	WL	08/22/2007	0001	1.2	-	2.2	200		#		
Alkalinity, Total (As CaCO3)	mg/L	0565	WL	08/22/2007	0001	4	-	5	190		#		
Alkalinity, Total (As CaCO3)	mg/L	0570	WL	08/20/2007	0001	15	-	30	750		#		
Alkalinity, Total (As CaCO3)	mg/L	0571	WL	08/20/2007	0001	25	-	40	530		#		
Alkalinity, Total (As CaCO3)	mg/L	0572	WL	08/21/2007	0001	15	-	30	780		#		
Alkalinity, Total (As CaCO3)	mg/L	0573	WL	08/21/2007	0001	25	-	40	830		#		
Alkalinity, Total (As CaCO3)	mg/L	0574	WL	08/21/2007	0001	15	-	30	1070		#		
Alkalinity, Total (As CaCO3)	mg/L	0577	WL	08/21/2007	0001	25	-	40	1014		#		
Alkalinity, Total (As CaCO3)	mg/L	0578	WL	08/21/2007	0001	15	-	30	892		#		
Alkalinity, Total (As CaCO3)	mg/L	0579	WL	08/21/2007	0001	25	-	40	814		#		
Alkalinity, Total (As CaCO3)	mg/L	0581	WL	08/30/2007	0001	18	-	18	770		#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**  
**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)	Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Alkalinity, Total (As CaCO3)	mg/L	0582	WL	08/30/2007	0001	18	-	18	420	#		
Alkalinity, Total (As CaCO3)	mg/L	0583	WL	08/30/2007	0001	18	-	18	880	#		
Alkalinity, Total (As CaCO3)	mg/L	0584	WL	08/30/2007	0001	18	-	18	270	#		
Alkalinity, Total (As CaCO3)	mg/L	0585	WL	08/30/2007	0001	18	-	18	900	#		
Alkalinity, Total (As CaCO3)	mg/L	0586	WL	08/28/2007	0001	18	-	18	842	#		
Alkalinity, Total (As CaCO3)	mg/L	0587	WL	08/30/2007	0001	18	-	18	940	#		
Alkalinity, Total (As CaCO3)	mg/L	0588	WL	08/30/2007	0001	34	-	34	741	#		
Alkalinity, Total (As CaCO3)	mg/L	0589	WL	08/30/2007	0001	52	-	52	310	#		
Alkalinity, Total (As CaCO3)	mg/L	0591	WL	08/21/2007	0001	3.9	-	4.9	600	#		
Alkalinity, Total (As CaCO3)	mg/L	0596	WL	09/04/2007	0001	24	-	24	502	#		
Alkalinity, Total (As CaCO3)	mg/L	0597	WL	08/23/2007	0001	9.3	-	10.3	240	#		
Alkalinity, Total (As CaCO3)	mg/L	0598	WL	08/23/2007	0001	9.1	-	10.1	240	#		
Alkalinity, Total (As CaCO3)	mg/L	0599	WL	08/23/2007	0001	9.4	-	10.4	195	#		
Alkalinity, Total (As CaCO3)	mg/L	0600	WL	08/30/2007	0001	28	-	28	1320	#		
Alkalinity, Total (As CaCO3)	mg/L	0603	WL	08/21/2007	0001	9.2	-	10.2	680	#		
Alkalinity, Total (As CaCO3)	mg/L	0604	WL	08/21/2007	0001	7.3	-	8.3	860	#		
Alkalinity, Total (As CaCO3)	mg/L	0605	WL	08/21/2007	0001	9.4	-	10.4	550	#		
Alkalinity, Total (As CaCO3)	mg/L	0606	WL	08/22/2007	0001	9.3	-	10.3	420	#		
Alkalinity, Total (As CaCO3)	mg/L	0608	WL	08/22/2007	0001	8.9	-	9.9	400	#		
Alkalinity, Total (As CaCO3)	mg/L	0611	WL	08/22/2007	0001	2.2	-	3.2	220	#		
Alkalinity, Total (As CaCO3)	mg/L	0612	WL	08/22/2007	0001	4.3	-	5.3	150	#		
Alkalinity, Total (As CaCO3)	mg/L	0615	WL	08/21/2007	0001	1.4	-	2.4	1150	#		
Alkalinity, Total (As CaCO3)	mg/L	0616	WL	08/21/2007	0001	5.3	-	6.3	220	#		
Alkalinity, Total (As CaCO3)	mg/L	0618	WL	08/23/2007	0001	5.3	-	6.3	360	#		
Alkalinity, Total (As CaCO3)	mg/L	0670	WL	08/21/2007	0001	15.9	-	45.9	270	#		
Alkalinity, Total (As CaCO3)	mg/L	0671	WL	08/21/2007	0001	14.4	-	44.4	250	#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**  
**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Alkalinity, Total (As CaCO3)	mg/L	0672	WL	08/21/2007	0001	15	-	45	228		#		
Alkalinity, Total (As CaCO3)	mg/L	0673	WL	08/21/2007	0001	16.3	-	46.3	200		#		
Alkalinity, Total (As CaCO3)	mg/L	0674	WL	08/21/2007	0001	15.1	-	45.1	200		#		
Alkalinity, Total (As CaCO3)	mg/L	0675	WL	08/21/2007	0001	16	-	46	226		#		
Alkalinity, Total (As CaCO3)	mg/L	0676	WL	08/21/2007	0001	15.9	-	45.9	58		#		
Alkalinity, Total (As CaCO3)	mg/L	0677	WL	08/21/2007	0001	15.2	-	45.2	210		#		
Alkalinity, Total (As CaCO3)	mg/L	0678	WL	08/21/2007	0001	16.3	-	46.3	216		#		
Alkalinity, Total (As CaCO3)	mg/L	0679	WL	08/21/2007	0001	15	-	45	216		#		
Alkalinity, Total (As CaCO3)	mg/L	0680	WL	08/28/2007	0001	18	-	18	738		#		
Alkalinity, Total (As CaCO3)	mg/L	0681	WL	08/28/2007	0001	18	-	18	882		#		
Alkalinity, Total (As CaCO3)	mg/L	0682	WL	08/28/2007	0001	28	-	28	746		#		
Alkalinity, Total (As CaCO3)	mg/L	0683	WL	08/28/2007	0001	27	-	27	574		#		
Alkalinity, Total (As CaCO3)	mg/L	0684	WL	08/28/2007	0001	18	-	18	376		#		
Alkalinity, Total (As CaCO3)	mg/L	0685	WL	08/27/2007	0001	28	-	28	170		#		
Alkalinity, Total (As CaCO3)	mg/L	0686	WL	08/28/2007	0001	18	-	18	236		#		
Alkalinity, Total (As CaCO3)	mg/L	0687	WL	08/28/2007	0001	28	-	28	600		#		
Alkalinity, Total (As CaCO3)	mg/L	0688	WL	08/28/2007	0001	31	-	31	682		#		
Alkalinity, Total (As CaCO3)	mg/L	0688	WL	08/28/2007	0001	39	-	39	850		#		
Alkalinity, Total (As CaCO3)	mg/L	0689	WL	08/28/2007	0001	46	-	46	872		#		
Alkalinity, Total (As CaCO3)	mg/L	0689	WL	08/28/2007	0001	54	-	54	938		#		
Alkalinity, Total (As CaCO3)	mg/L	0692	WL	08/29/2007	0001	9.7	-	10.1	662		#		
Alkalinity, Total (As CaCO3)	mg/L	0694	WL	08/29/2007	0001	4.3	-	5.3	576		#		
Alkalinity, Total (As CaCO3)	mg/L	0695	WL	08/29/2007	0001	9.3	-	10.3	668		#		
Alkalinity, Total (As CaCO3)	mg/L	0696	WL	08/29/2007	0001	1.3	-	2.3	342		#		
Alkalinity, Total (As CaCO3)	mg/L	0697	WL	08/29/2007	0001	4.3	-	5.3	766		#		
Alkalinity, Total (As CaCO3)	mg/L	0724	WL	08/23/2007	0001	2.4	-	3.4	250		#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**  
**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)	Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Alkalinity, Total (As CaCO3)	mg/L	0725	WL	08/23/2007	0001	4.6	-	5.6	220	#		
Alkalinity, Total (As CaCO3)	mg/L	0730	WL	08/27/2007	0001	18	-	18	196	#		
Alkalinity, Total (As CaCO3)	mg/L	0731	WL	08/27/2007	0001	18	-	18	140	#		
Alkalinity, Total (As CaCO3)	mg/L	0732	WL	08/27/2007	0001	18	-	18	160	#		
Alkalinity, Total (As CaCO3)	mg/L	0733	WL	08/24/2007	0001	18	-	18	196	#		
Alkalinity, Total (As CaCO3)	mg/L	0770	WL	08/20/2007	0001	14.9	-	34.8	468	#		
Alkalinity, Total (As CaCO3)	mg/L	0771	WL	08/20/2007	0001	15	-	34.9	450	#		
Alkalinity, Total (As CaCO3)	mg/L	0772	WL	08/20/2007	0001	15.15	-	35.0 5	430	#		
Alkalinity, Total (As CaCO3)	mg/L	0773	WL	08/20/2007	0001	15.15	-	35.0 5	720	#		
Alkalinity, Total (As CaCO3)	mg/L	0774	WL	08/20/2007	0001	15.5	-	35.4	750	#		
Alkalinity, Total (As CaCO3)	mg/L	0775	WL	08/20/2007	0001	15.1	-	35	800	#		
Alkalinity, Total (As CaCO3)	mg/L	0776	WL	08/20/2007	0001	15.15	-	35.0 5	470	#		
Alkalinity, Total (As CaCO3)	mg/L	0777	WL	08/20/2007	0001	15.3	-	35.2	520	#		
Alkalinity, Total (As CaCO3)	mg/L	0778	WL	08/20/2007	0001	15.1	-	35	600	#		
Alkalinity, Total (As CaCO3)	mg/L	0779	WL	08/20/2007	0001	15.66	-	35.5 6	530	#		
Alkalinity, Total (As CaCO3)	mg/L	0780	WL	09/05/2007	0001	28	-	28	764	#		
Alkalinity, Total (As CaCO3)	mg/L	0781	WL	09/05/2007	0001	46	-	46	234	#		
Alkalinity, Total (As CaCO3)	mg/L	0782	WL	09/05/2007	0001	33	-	33	240	#		
Alkalinity, Total (As CaCO3)	mg/L	0785	WL	09/05/2007	0001	18	-	18	240	#		
Alkalinity, Total (As CaCO3)	mg/L	0786	WL	09/05/2007	0001	28	-	28	366	#		
Alkalinity, Total (As CaCO3)	mg/L	0787	WL	09/05/2007	0001	38	-	38	170	#		
Alkalinity, Total (As CaCO3)	mg/L	0790	WL	09/04/2007	0001	2	-	3	270	#		
Alkalinity, Total (As CaCO3)	mg/L	0791	WL	09/04/2007	0001	4.3	-	5.3	162	#		
Alkalinity, Total (As CaCO3)	mg/L	0793	WL	09/04/2007	0001	2	-	3	180	#		
Alkalinity, Total (As CaCO3)	mg/L	SMI-PW01	WL	09/06/2007	0001	40	-	40	742	#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)			Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Alkalinity, Total (As CaCO3)	mg/L	SMI-PZ1D	BH	09/06/2007	0001	0	-	0	668			#		
Alkalinity, Total (As CaCO3)	mg/L	SMI-PZ1M	WL	09/06/2007	0001	57	-	57	950			#		
Alkalinity, Total (As CaCO3)	mg/L	SMI-PZ1S	WL	09/06/2007	0001	18	-	18	702			#		
Ammonia Total as N	mg/L	0239	SL	08/21/2007	0001	0	-	0	0.18			#	0.1	
Ammonia Total as N	mg/L	0243	SL	08/23/2007	0001	0	-	0	0.6	J		#	0.1	
Ammonia Total as N	mg/L	0245	SL	08/22/2007	0001	0	-	0	0.19			#	0.1	
Ammonia Total as N	mg/L	0259	SL	08/29/2007	0001	0	-	0	0.1	UN	J	#	0.1	
Ammonia Total as N	mg/L	0274	SL	09/04/2007	0001	0	-	0	0.11			#	0.1	
Ammonia Total as N	mg/L	0274	SL	09/05/2007	0001	0	-	0	0.2			#	0.1	
Ammonia Total as N	mg/L	0401	WL	08/30/2007	0001	18	-	18	340			#	20	
Ammonia Total as N	mg/L	0403	WL	08/30/2007	0001	18	-	18	210			#	20	
Ammonia Total as N	mg/L	0404	WL	08/28/2007	0001	18	-	18	230	J		#	20	
Ammonia Total as N	mg/L	0405	WL	08/24/2007	0001	18	-	18	24	J		#	2	
Ammonia Total as N	mg/L	0407	WL	08/30/2007	0001	18	-	18	19			#	1	
Ammonia Total as N	mg/L	0408	WL	08/30/2007	0001	26	-	26	610			#	20	
Ammonia Total as N	mg/L	0470	WL	08/20/2007	0001	10.3	-	19.7	270			#	20	
Ammonia Total as N	mg/L	0471	WL	08/20/2007	0001	10.3	-	19.7	350	J		#	20	
Ammonia Total as N	mg/L	0472	WL	08/20/2007	0001	10.3	-	19.7	200			#	20	
Ammonia Total as N	mg/L	0473	WL	08/20/2007	0001	10.3	-	19.7	220			#	20	
Ammonia Total as N	mg/L	0474	WL	08/20/2007	0001	10.3	-	19.7	280			#	20	
Ammonia Total as N	mg/L	0475	WL	08/20/2007	0001	10.3	-	19.7	270			#	20	
Ammonia Total as N	mg/L	0476	WL	08/20/2007	0001	10.3	-	19.7	300			#	20	
Ammonia Total as N	mg/L	0477	WL	08/20/2007	0001	10.3	-	19.7	250			#	20	
Ammonia Total as N	mg/L	0478	WL	08/20/2007	0001	9.6	-	23.9	540			#	20	
Ammonia Total as N	mg/L	0479	WL	08/20/2007	0001	9.3	-	23.6	310			#	20	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)	Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Ammonia Total as N	mg/L	0479	WL	08/20/2007	0002	9.3	- 23.6	300		#	20	
Ammonia Total as N	mg/L	0480	WL	09/05/2007	0001	18	- 18	590		#	20	
Ammonia Total as N	mg/L	0481	WL	09/05/2007	0001	28	- 28	650		#	20	
Ammonia Total as N	mg/L	0482	WL	09/05/2007	0001	58	- 58	670		#	20	
Ammonia Total as N	mg/L	0483	WL	09/04/2007	0001	18	- 18	330		#	20	
Ammonia Total as N	mg/L	0484	WL	09/05/2007	0001	28	- 28	900		#	20	
Ammonia Total as N	mg/L	0485	WL	09/04/2007	0001	58	- 58	450		#	20	
Ammonia Total as N	mg/L	0488	WL	08/24/2007	0001	39	- 39	500	J	#	20	
Ammonia Total as N	mg/L	0493	WL	08/24/2007	0001	54	- 54	730	J	#	20	
Ammonia Total as N	mg/L	0493	WL	08/24/2007	0002	54	- 54	710	J	#	50	
Ammonia Total as N	mg/L	0495	WL	08/23/2007	0001	4.6	- 5.6	0.1	U	J	#	0.1
Ammonia Total as N	mg/L	0496	WL	08/23/2007	0001	2.2	- 3.2	49	J	#	2	
Ammonia Total as N	mg/L	0547	TS	09/06/2007	0001	0	- 0	520		#	20	
Ammonia Total as N	mg/L	0547	TS	09/06/2007	0002	0	- 0	450		#	20	
Ammonia Total as N	mg/L	0548	TS	09/06/2007	0001	0	- 0	390		#	20	
Ammonia Total as N	mg/L	0552	WL	09/05/2007	0001	18	- 18	520		#	20	
Ammonia Total as N	mg/L	0552	WL	09/05/2007	0002	18	- 18	370		#	20	
Ammonia Total as N	mg/L	0555	WL	08/30/2007	0001	18	- 18	230		#	20	
Ammonia Total as N	mg/L	0557	WL	09/05/2007	0001	40	- 40	620		#	20	
Ammonia Total as N	mg/L	0558	WL	08/30/2007	0001	36	- 36	1900		#	50	
Ammonia Total as N	mg/L	0559	WL	09/04/2007	0001	19	- 19	220		#	20	
Ammonia Total as N	mg/L	0560	WL	09/04/2007	0001	31	- 31	1700		#	50	
Ammonia Total as N	mg/L	0561	WL	09/04/2007	0001	50	- 50	950		#	20	
Ammonia Total as N	mg/L	0562	WL	08/22/2007	0001	1.3	- 2.3	3.2		#	0.1	
Ammonia Total as N	mg/L	0563	WL	08/22/2007	0001	4.6	- 5.6	43		#	2	
Ammonia Total as N	mg/L	0564	WL	08/22/2007	0001	1.2	- 2.2	0.24		#	0.1	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Ammonia Total as N	mg/L	0565	WL	08/22/2007	0001	4	-	5	3.5		#	0.1	
Ammonia Total as N	mg/L	0570	WL	08/20/2007	0001	15	-	30	440		#	20	
Ammonia Total as N	mg/L	0571	WL	08/20/2007	0001	25	-	40	1300		#	50	
Ammonia Total as N	mg/L	0572	WL	08/21/2007	0001	15	-	30	490		#	20	
Ammonia Total as N	mg/L	0573	WL	08/21/2007	0001	25	-	40	860		#	20	
Ammonia Total as N	mg/L	0574	WL	08/21/2007	0001	15	-	30	520	N	J	#	20
Ammonia Total as N	mg/L	0577	WL	08/21/2007	0001	25	-	40	740		J	#	20
Ammonia Total as N	mg/L	0578	WL	08/21/2007	0001	15	-	30	360		J	#	20
Ammonia Total as N	mg/L	0579	WL	08/21/2007	0001	25	-	40	560		J	#	20
Ammonia Total as N	mg/L	0581	WL	08/30/2007	0001	18	-	18	280		#	20	
Ammonia Total as N	mg/L	0582	WL	08/30/2007	0001	18	-	18	180		#	20	
Ammonia Total as N	mg/L	0583	WL	08/30/2007	0001	18	-	18	340		#	20	
Ammonia Total as N	mg/L	0584	WL	08/30/2007	0001	18	-	18	390		#	20	
Ammonia Total as N	mg/L	0585	WL	08/30/2007	0001	18	-	18	410		#	20	
Ammonia Total as N	mg/L	0586	WL	08/28/2007	0001	18	-	18	480		J	#	20
Ammonia Total as N	mg/L	0587	WL	08/30/2007	0001	18	-	18	140		#	20	
Ammonia Total as N	mg/L	0588	WL	08/30/2007	0001	34	-	34	740		#	20	
Ammonia Total as N	mg/L	0588	WL	08/30/2007	0002	34	-	34	680		#	20	
Ammonia Total as N	mg/L	0589	WL	08/30/2007	0001	52	-	52	920		#	20	
Ammonia Total as N	mg/L	0590	WL	08/21/2007	0001	1	-	2	190		J	#	20
Ammonia Total as N	mg/L	0591	WL	08/21/2007	0001	3.9	-	4.9	220		J	#	20
Ammonia Total as N	mg/L	0596	WL	09/04/2007	0001	24	-	24	420		#	20	
Ammonia Total as N	mg/L	0597	WL	08/23/2007	0001	9.3	-	10.3	30		J	#	1
Ammonia Total as N	mg/L	0598	WL	08/23/2007	0001	9.1	-	10.1	78		J	#	20
Ammonia Total as N	mg/L	0599	WL	08/23/2007	0001	9.4	-	10.4	96		J	#	20
Ammonia Total as N	mg/L	0600	WL	08/30/2007	0001	28	-	28	750		#	20	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Ammonia Total as N	mg/L	0603	WL	08/21/2007	0001	9.2	-	10.2	350	J	#	20	
Ammonia Total as N	mg/L	0604	WL	08/21/2007	0001	7.3	-	8.3	170	J	#	20	
Ammonia Total as N	mg/L	0605	WL	08/21/2007	0001	9.4	-	10.4	130	J	#	20	
Ammonia Total as N	mg/L	0606	WL	08/22/2007	0001	9.3	-	10.3	110	J	#	20	
Ammonia Total as N	mg/L	0607	WL	08/22/2007	0001	9.6	-	10.6	110	J	#	20	
Ammonia Total as N	mg/L	0608	WL	08/22/2007	0001	8.9	-	9.9	71	J	#	20	
Ammonia Total as N	mg/L	0611	WL	08/22/2007	0001	2.2	-	3.2	1	J	#	0.1	
Ammonia Total as N	mg/L	0612	WL	08/22/2007	0001	4.3	-	5.3	0.71	J	#	0.1	
Ammonia Total as N	mg/L	0614	WL	08/21/2007	0001	5.1	-	6.1	210	J	#	20	
Ammonia Total as N	mg/L	0615	WL	08/21/2007	0001	1.4	-	2.4	3.9	J	#	0.1	
Ammonia Total as N	mg/L	0616	WL	08/21/2007	0001	5.3	-	6.3	68	J	#	20	
Ammonia Total as N	mg/L	0617	WL	08/23/2007	0001	1.7	-	2.7	64	J	#	2	
Ammonia Total as N	mg/L	0618	WL	08/23/2007	0001	5.3	-	6.3	59	J	#	2	
Ammonia Total as N	mg/L	0670	WL	08/21/2007	0001	15.9	-	45.9	84	J	#	20	
Ammonia Total as N	mg/L	0671	WL	08/21/2007	0001	14.4	-	44.4	80	J	#	20	
Ammonia Total as N	mg/L	0672	WL	08/21/2007	0001	15	-	45	100	J	#	20	
Ammonia Total as N	mg/L	0673	WL	08/21/2007	0001	16.3	-	46.3	83	J	#	20	
Ammonia Total as N	mg/L	0674	WL	08/21/2007	0001	15.1	-	45.1	78	J	#	20	
Ammonia Total as N	mg/L	0675	WL	08/21/2007	0001	16	-	46	82	#		20	
Ammonia Total as N	mg/L	0676	WL	08/21/2007	0001	15.9	-	45.9	130	#		20	
Ammonia Total as N	mg/L	0677	WL	08/21/2007	0001	15.2	-	45.2	76	#		20	
Ammonia Total as N	mg/L	0678	WL	08/21/2007	0001	16.3	-	46.3	76	#		20	
Ammonia Total as N	mg/L	0679	WL	08/21/2007	0001	15	-	45	93	#		20	
Ammonia Total as N	mg/L	0680	WL	08/28/2007	0001	18	-	18	290	J	#	20	
Ammonia Total as N	mg/L	0681	WL	08/28/2007	0001	18	-	18	12	J	#	0.5	
Ammonia Total as N	mg/L	0682	WL	08/28/2007	0001	28	-	28	390	J	#	20	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Ammonia Total as N	mg/L	0682	WL	08/28/2007	0002	28	-	28	420	J	#	20	
Ammonia Total as N	mg/L	0683	WL	08/28/2007	0001	27	-	27	260	J	#	20	
Ammonia Total as N	mg/L	0684	WL	08/28/2007	0001	18	-	18	0.43	J	#	0.1	
Ammonia Total as N	mg/L	0685	WL	08/27/2007	0001	28	-	28	40	J	#	5	
Ammonia Total as N	mg/L	0686	WL	08/28/2007	0001	18	-	18	3.6	J	#	0.1	
Ammonia Total as N	mg/L	0687	WL	08/28/2007	0001	28	-	28	260	J	#	20	
Ammonia Total as N	mg/L	0688	WL	08/28/2007	0001	39	-	39	490	J	#	20	
Ammonia Total as N	mg/L	0689	WL	08/28/2007	0001	54	-	54	920	J	#	20	
Ammonia Total as N	mg/L	0690	WL	08/29/2007	0001	3.3	-	4.3	1.5	J	#	0.1	
Ammonia Total as N	mg/L	0691	WL	08/29/2007	0001	6.5	-	7.5	220	J	#	20	
Ammonia Total as N	mg/L	0692	WL	08/29/2007	0001	9.7	-	10.1	270	J	#	20	
Ammonia Total as N	mg/L	0693	WL	08/29/2007	0001	2	-	3	120	J	#	20	
Ammonia Total as N	mg/L	0694	WL	08/29/2007	0001	4.3	-	5.3	290	J	#	20	
Ammonia Total as N	mg/L	0695	WL	08/29/2007	0001	9.3	-	10.3	440	J	#	20	
Ammonia Total as N	mg/L	0696	WL	08/29/2007	0001	1.3	-	2.3	130	J	#	20	
Ammonia Total as N	mg/L	0697	WL	08/29/2007	0001	4.3	-	5.3	450	J	#	20	
Ammonia Total as N	mg/L	0698	WL	08/30/2007	0001	9.9	-	10.3	800	#		20	
Ammonia Total as N	mg/L	0724	WL	08/23/2007	0001	2.4	-	3.4	0.29	J	#	0.1	
Ammonia Total as N	mg/L	0725	WL	08/23/2007	0001	4.6	-	5.6	0.19	J	#	0.1	
Ammonia Total as N	mg/L	0726	WL	08/23/2007	0001	9.7	-	10.3	8.8	J	#	0.2	
Ammonia Total as N	mg/L	0730	WL	08/27/2007	0001	18	-	18	3	J	#	0.1	
Ammonia Total as N	mg/L	0731	WL	08/27/2007	0001	18	-	18	1.3	J	#	0.1	
Ammonia Total as N	mg/L	0732	WL	08/27/2007	0001	18	-	18	0.24	J	#	0.1	
Ammonia Total as N	mg/L	0733	WL	08/24/2007	0001	18	-	18	0.22	J	#	0.1	
Ammonia Total as N	mg/L	0770	WL	08/20/2007	0001	14.9	-	34.8	260	#		20	
Ammonia Total as N	mg/L	0771	WL	08/20/2007	0001	15	-	34.9	230	#		20	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Ammonia Total as N	mg/L	0772	WL	08/20/2007	0001	15.15	-	35.0 5	91		#	20	
Ammonia Total as N	mg/L	0773	WL	08/20/2007	0001	15.15	-	35.0 5	280		#	20	
Ammonia Total as N	mg/L	0774	WL	08/20/2007	0001	15.5	-	35.4	320		#	20	
Ammonia Total as N	mg/L	0775	WL	08/20/2007	0001	15.1	-	35	600		#	20	
Ammonia Total as N	mg/L	0776	WL	08/20/2007	0001	15.15	-	35.0 5	460		#	20	
Ammonia Total as N	mg/L	0777	WL	08/20/2007	0001	15.3	-	35.2	420		#	20	
Ammonia Total as N	mg/L	0778	WL	08/20/2007	0001	15.1	-	35	430		#	20	
Ammonia Total as N	mg/L	0779	WL	08/20/2007	0001	15.66	-	35.5 6	820		#	20	
Ammonia Total as N	mg/L	0780	WL	09/05/2007	0001	28	-	28	580		#	20	
Ammonia Total as N	mg/L	0781	WL	09/05/2007	0001	46	-	46	25		#	1	
Ammonia Total as N	mg/L	0782	WL	09/05/2007	0001	33	-	33	180		#	20	
Ammonia Total as N	mg/L	0785	WL	09/05/2007	0001	18	-	18	20		#	2	
Ammonia Total as N	mg/L	0785	WL	09/05/2007	0002	18	-	18	22		#	1	
Ammonia Total as N	mg/L	0786	WL	09/05/2007	0001	28	-	28	200		#	20	
Ammonia Total as N	mg/L	0787	WL	09/05/2007	0001	38	-	38	340		#	20	
Ammonia Total as N	mg/L	0790	WL	09/04/2007	0001	2	-	3	0.34		#	0.1	
Ammonia Total as N	mg/L	0791	WL	09/04/2007	0001	4.3	-	5.3	3.2		#	0.1	
Ammonia Total as N	mg/L	0792	WL	09/04/2007	0001	9.3	-	10.3	250		#	20	
Ammonia Total as N	mg/L	0793	WL	09/04/2007	0001	2	-	3	0.41		#	0.1	
Ammonia Total as N	mg/L	0795	WL	09/05/2007	0001	9.3	-	10.3	350		#	20	
Ammonia Total as N	mg/L	SMI-PW01	WL	09/06/2007	0001	40	-	40	360		#	20	
Ammonia Total as N	mg/L	SMI-PW01	WL	09/06/2007	0002	40	-	40	320		#	20	
Ammonia Total as N	mg/L	SMI-PZ1D	BH	09/06/2007	0001	0	-	0	2300		#	50	
Ammonia Total as N	mg/L	SMI-PZ1M	WL	09/06/2007	0001	57	-	57	790		#	20	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Ammonia Total as N	mg/L	SMI-PZ1M	WL	09/06/2007	0002	57	-	57	790		#	20	
Ammonia Total as N	mg/L	SMI-PZ1S	WL	09/06/2007	0001	18	-	18	240		#	20	
Bromide	mg/L	0239	SL	08/21/2007	0001	0	-	0	0.2	U	#	0.2	
Bromide	mg/L	0243	SL	08/23/2007	0001	0	-	0	0.2	U	#	0.2	
Bromide	mg/L	0245	SL	08/22/2007	0001	0	-	0	0.2	U	#	0.2	
Bromide	mg/L	0259	SL	08/29/2007	0001	0	-	0	0.4	U	#	0.4	
Bromide	mg/L	0274	SL	09/04/2007	0001	0	-	0	0.2	U	#	0.2	
Bromide	mg/L	0274	SL	09/05/2007	0001	0	-	0	0.2	U	#	0.2	
Bromide	mg/L	0401	WL	08/30/2007	0001	18	-	18	4	U	#	4	
Bromide	mg/L	0403	WL	08/30/2007	0001	18	-	18	4	U	#	4	
Bromide	mg/L	0404	WL	08/28/2007	0001	18	-	18	2	U	#	2	
Bromide	mg/L	0405	WL	08/24/2007	0001	18	-	18	0.2	U	#	0.2	
Bromide	mg/L	0407	WL	08/30/2007	0001	18	-	18	0.2	U	#	0.2	
Bromide	mg/L	0408	WL	08/30/2007	0001	26	-	26	4	U	#	4	
Bromide	mg/L	0470	WL	08/20/2007	0001	10.3	-	19.7	2	U	#	2	
Bromide	mg/L	0471	WL	08/20/2007	0001	10.3	-	19.7	2	U	#	2	
Bromide	mg/L	0472	WL	08/20/2007	0001	10.3	-	19.7	2	U	#	2	
Bromide	mg/L	0473	WL	08/20/2007	0001	10.3	-	19.7	2	U	#	2	
Bromide	mg/L	0474	WL	08/20/2007	0001	10.3	-	19.7	2	U	#	2	
Bromide	mg/L	0475	WL	08/20/2007	0001	10.3	-	19.7	2	U	#	2	
Bromide	mg/L	0476	WL	08/20/2007	0001	10.3	-	19.7	2	U	#	2	
Bromide	mg/L	0477	WL	08/20/2007	0001	10.3	-	19.7	2	U	#	2	
Bromide	mg/L	0478	WL	08/20/2007	0001	9.6	-	23.9	4	U	#	4	
Bromide	mg/L	0479	WL	08/20/2007	0001	9.3	-	23.6	2	U	#	2	
Bromide	mg/L	0479	WL	08/20/2007	0002	9.3	-	23.6	2	U	#	2	
Bromide	mg/L	0480	WL	09/05/2007	0001	18	-	18	4	U	#	4	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Bromide	mg/L	0481	WL	09/05/2007	0001	28	-	28	4	U	#	4	
Bromide	mg/L	0482	WL	09/05/2007	0001	58	-	58	20	U	#	20	
Bromide	mg/L	0483	WL	09/04/2007	0001	18	-	18	4	U	#	4	
Bromide	mg/L	0484	WL	09/05/2007	0001	28	-	28	4	U	#	4	
Bromide	mg/L	0485	WL	09/04/2007	0001	58	-	58	20	U	#	20	
Bromide	mg/L	0488	WL	08/24/2007	0001	39	-	39	2	U	#	2	
Bromide	mg/L	0493	WL	08/24/2007	0001	54	-	54	4	U	#	4	
Bromide	mg/L	0493	WL	08/24/2007	0002	54	-	54	4	U	#	4	
Bromide	mg/L	0495	WL	08/23/2007	0001	4.6	-	5.6	1	U	#	1	
Bromide	mg/L	0496	WL	08/23/2007	0001	2.2	-	3.2	0.4	U	#	0.4	
Bromide	mg/L	0547	TS	09/06/2007	0001	0	-	0	4	U	#	4	
Bromide	mg/L	0547	TS	09/06/2007	0002	0	-	0	4	U	#	4	
Bromide	mg/L	0548	TS	09/06/2007	0001	0	-	0	4	U	#	4	
Bromide	mg/L	0552	WL	09/05/2007	0001	18	-	18	2	U	#	2	
Bromide	mg/L	0552	WL	09/05/2007	0002	18	-	18	4	U	#	4	
Bromide	mg/L	0555	WL	08/30/2007	0001	18	-	18	2	U	#	2	
Bromide	mg/L	0557	WL	09/05/2007	0001	40	-	40	4	U	#	4	
Bromide	mg/L	0558	WL	08/30/2007	0001	36	-	36	20	U	#	20	
Bromide	mg/L	0559	WL	09/04/2007	0001	19	-	19	2	U	#	2	
Bromide	mg/L	0560	WL	09/04/2007	0001	31	-	31	20	U	#	20	
Bromide	mg/L	0561	WL	09/04/2007	0001	50	-	50	20	U	#	20	
Bromide	mg/L	0562	WL	08/22/2007	0001	1.3	-	2.3	0.2	U	#	0.2	
Bromide	mg/L	0563	WL	08/22/2007	0001	4.6	-	5.6	0.2	U	#	0.2	
Bromide	mg/L	0564	WL	08/22/2007	0001	1.2	-	2.2	0.2	U	#	0.2	
Bromide	mg/L	0565	WL	08/22/2007	0001	4	-	5	0.2	U	#	0.2	
Bromide	mg/L	0570	WL	08/20/2007	0001	15	-	30	4	U	#	4	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)			Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Bromide	mg/L	0571	WL	08/20/2007	0001	25	-	40	20	U	#	20		
Bromide	mg/L	0572	WL	08/21/2007	0001	15	-	30	4	U	#	4		
Bromide	mg/L	0573	WL	08/21/2007	0001	25	-	40	10	U	#	10		
Bromide	mg/L	0574	WL	08/21/2007	0001	15	-	30	4	U	#	4		
Bromide	mg/L	0577	WL	08/21/2007	0001	25	-	40	10	U	#	10		
Bromide	mg/L	0578	WL	08/21/2007	0001	15	-	30	4	U	#	4		
Bromide	mg/L	0579	WL	08/21/2007	0001	25	-	40	4	U	#	4		
Bromide	mg/L	0581	WL	08/30/2007	0001	18	-	18	2	U	#	2		
Bromide	mg/L	0582	WL	08/30/2007	0001	18	-	18	2	U	#	2		
Bromide	mg/L	0583	WL	08/30/2007	0001	18	-	18	2	U	#	2		
Bromide	mg/L	0584	WL	08/30/2007	0001	18	-	18	4	U	#	4		
Bromide	mg/L	0585	WL	08/30/2007	0001	18	-	18	4	U	#	4		
Bromide	mg/L	0586	WL	08/28/2007	0001	18	-	18	2	U	#	2		
Bromide	mg/L	0587	WL	08/30/2007	0001	18	-	18	2	U	#	2		
Bromide	mg/L	0588	WL	08/30/2007	0001	34	-	34	10	U	#	10		
Bromide	mg/L	0588	WL	08/30/2007	0002	34	-	34	10	U	#	10		
Bromide	mg/L	0589	WL	08/30/2007	0001	52	-	52	20	U	#	20		
Bromide	mg/L	0590	WL	08/21/2007	0001	1	-	2	1	U	#	1		
Bromide	mg/L	0591	WL	08/21/2007	0001	3.9	-	4.9	1	U	#	1		
Bromide	mg/L	0596	WL	09/04/2007	0001	24	-	24	2	U	#	2		
Bromide	mg/L	0597	WL	08/23/2007	0001	9.3	-	10.3	0.2	U	#	0.2		
Bromide	mg/L	0598	WL	08/23/2007	0001	9.1	-	10.1	0.4	U	#	0.4		
Bromide	mg/L	0599	WL	08/23/2007	0001	9.4	-	10.4	1	U	#	1		
Bromide	mg/L	0600	WL	08/30/2007	0001	28	-	28	4	U	#	4		
Bromide	mg/L	0603	WL	08/21/2007	0001	9.2	-	10.2	2	U	#	2		
Bromide	mg/L	0604	WL	08/21/2007	0001	7.3	-	8.3	1	U	#	1		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Bromide	mg/L	0605	WL	08/21/2007	0001	9.4	-	10.4	1	U	#	1	
Bromide	mg/L	0606	WL	08/22/2007	0001	9.3	-	10.3	1	U	#	1	
Bromide	mg/L	0607	WL	08/22/2007	0001	9.6	-	10.6	1	U	#	1	
Bromide	mg/L	0608	WL	08/22/2007	0001	8.9	-	9.9	1	U	#	1	
Bromide	mg/L	0611	WL	08/22/2007	0001	2.2	-	3.2	0.2	U	#	0.2	
Bromide	mg/L	0612	WL	08/22/2007	0001	4.3	-	5.3	0.2	U	#	0.2	
Bromide	mg/L	0614	WL	08/21/2007	0001	5.1	-	6.1	1	U	#	1	
Bromide	mg/L	0615	WL	08/21/2007	0001	1.4	-	2.4	0.2	U	#	0.2	
Bromide	mg/L	0616	WL	08/21/2007	0001	5.3	-	6.3	0.4	U	#	0.4	
Bromide	mg/L	0617	WL	08/23/2007	0001	1.7	-	2.7	0.4	U	#	0.4	
Bromide	mg/L	0618	WL	08/23/2007	0001	5.3	-	6.3	0.4	U	#	0.4	
Bromide	mg/L	0670	WL	08/21/2007	0001	15.9	-	45.9	1	U	#	1	
Bromide	mg/L	0671	WL	08/21/2007	0001	14.4	-	44.4	1	U	#	1	
Bromide	mg/L	0672	WL	08/21/2007	0001	15	-	45	1	U	#	1	
Bromide	mg/L	0673	WL	08/21/2007	0001	16.3	-	46.3	1	U	#	1	
Bromide	mg/L	0674	WL	08/21/2007	0001	15.1	-	45.1	1	U	#	1	
Bromide	mg/L	0675	WL	08/21/2007	0001	16	-	46	1	U	#	1	
Bromide	mg/L	0676	WL	08/21/2007	0001	15.9	-	45.9	1	U	#	1	
Bromide	mg/L	0677	WL	08/21/2007	0001	15.2	-	45.2	1	U	#	1	
Bromide	mg/L	0678	WL	08/21/2007	0001	16.3	-	46.3	1	U	#	1	
Bromide	mg/L	0679	WL	08/21/2007	0001	15	-	45	1	U	#	1	
Bromide	mg/L	0680	WL	08/28/2007	0001	18	-	18	2	U	#	2	
Bromide	mg/L	0681	WL	08/28/2007	0001	18	-	18	2	U	#	2	
Bromide	mg/L	0682	WL	08/28/2007	0001	28	-	28	2	U	#	2	
Bromide	mg/L	0682	WL	08/28/2007	0002	28	-	28	2	U	#	2	
Bromide	mg/L	0683	WL	08/28/2007	0001	27	-	27	2	U	#	2	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Bromide	mg/L	0684	WL	08/28/2007	0001	18	-	18	0.4	U	#	0.4	
Bromide	mg/L	0685	WL	08/27/2007	0001	28	-	28	0.2	U	#	0.2	
Bromide	mg/L	0686	WL	08/28/2007	0001	18	-	18	0.4	U	#	0.4	
Bromide	mg/L	0687	WL	08/28/2007	0001	28	-	28	2	U	#	2	
Bromide	mg/L	0688	WL	08/28/2007	0001	39	-	39	2	U	#	2	
Bromide	mg/L	0689	WL	08/28/2007	0001	54	-	54	10	U	#	10	
Bromide	mg/L	0690	WL	08/29/2007	0001	3.3	-	4.3	2	U	#	2	
Bromide	mg/L	0691	WL	08/29/2007	0001	6.5	-	7.5	2	U	#	2	
Bromide	mg/L	0692	WL	08/29/2007	0001	9.7	-	10.1	2	U	#	2	
Bromide	mg/L	0693	WL	08/29/2007	0001	2	-	3	2	U	#	2	
Bromide	mg/L	0694	WL	08/29/2007	0001	4.3	-	5.3	2	U	#	2	
Bromide	mg/L	0695	WL	08/29/2007	0001	9.3	-	10.3	4	U	#	4	
Bromide	mg/L	0696	WL	08/29/2007	0001	1.3	-	2.3	1	U	#	1	
Bromide	mg/L	0697	WL	08/29/2007	0001	4.3	-	5.3	4	U	#	4	
Bromide	mg/L	0724	WL	08/23/2007	0001	2.4	-	3.4	0.4	U	#	0.4	
Bromide	mg/L	0725	WL	08/23/2007	0001	4.6	-	5.6	0.2	U	#	0.2	
Bromide	mg/L	0726	WL	08/23/2007	0001	9.7	-	10.3	0.2	U	#	0.2	
Bromide	mg/L	0730	WL	08/27/2007	0001	18	-	18	0.2	U	#	0.2	
Bromide	mg/L	0731	WL	08/27/2007	0001	18	-	18	0.2	U	#	0.2	
Bromide	mg/L	0732	WL	08/27/2007	0001	18	-	18	0.2	U	#	0.2	
Bromide	mg/L	0733	WL	08/24/2007	0001	18	-	18	0.2	U	#	0.2	
Bromide	mg/L	0770	WL	08/20/2007	0001	14.9	-	34.8	10	U	#	10	
Bromide	mg/L	0771	WL	08/20/2007	0001	15	-	34.9	10	U	#	10	
Bromide	mg/L	0772	WL	08/20/2007	0001	15.15	-	35.0 5	2	U	#	2	
Bromide	mg/L	0773	WL	08/20/2007	0001	15.15	-	35.0 5	10	U	#	10	
Bromide	mg/L	0774	WL	08/20/2007	0001	15.5	-	35.4	10	U	#	10	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Bromide	mg/L	0775	WL	08/20/2007	0001	15.1	-	35	10	U	#	10	
Bromide	mg/L	0776	WL	08/20/2007	0001	15.15	-	35.0 5	10	U	#	10	
Bromide	mg/L	0777	WL	08/20/2007	0001	15.3	-	35.2	10	U	#	10	
Bromide	mg/L	0778	WL	08/20/2007	0001	15.1	-	35	10	U	#	10	
Bromide	mg/L	0779	WL	08/20/2007	0001	15.66	-	35.5 6	10	U	#	10	
Bromide	mg/L	0780	WL	09/05/2007	0001	28	-	28	4	U	#	4	
Bromide	mg/L	0781	WL	09/05/2007	0001	46	-	46	20	U	#	20	
Bromide	mg/L	0782	WL	09/05/2007	0001	33	-	33	20	U	#	20	
Bromide	mg/L	0785	WL	09/05/2007	0001	18	-	18	0.2	U	#	0.2	
Bromide	mg/L	0785	WL	09/05/2007	0002	18	-	18	0.2	U	#	0.2	
Bromide	mg/L	0786	WL	09/05/2007	0001	28	-	28	10	U	#	10	
Bromide	mg/L	0787	WL	09/05/2007	0001	38	-	38	20	U	#	20	
Bromide	mg/L	0790	WL	09/04/2007	0001	2	-	3	0.2	U	#	0.2	
Bromide	mg/L	0791	WL	09/04/2007	0001	4.3	-	5.3	0.2	U	#	0.2	
Bromide	mg/L	0792	WL	09/04/2007	0001	9.3	-	10.3	2	U	#	2	
Bromide	mg/L	0793	WL	09/04/2007	0001	2	-	3	0.2	U	#	0.2	
Bromide	mg/L	SMI-PW01	WL	09/06/2007	0001	40	-	40	2	U	#	2	
Bromide	mg/L	SMI-PW01	WL	09/06/2007	0002	40	-	40	2	U	#	2	
Bromide	mg/L	SMI-PZ1D	BH	09/06/2007	0001	0	-	0	10	U	#	10	
Bromide	mg/L	SMI-PZ1M	WL	09/06/2007	0001	57	-	57	4	U	#	4	
Bromide	mg/L	SMI-PZ1M	WL	09/06/2007	0002	57	-	57	4	U	#	4	
Bromide	mg/L	SMI-PZ1S	WL	09/06/2007	0001	18	-	18	2	U	#	2	
Chloride	mg/L	0239	SL	08/21/2007	0001	0	-	0	90		#	2	
Chloride	mg/L	0243	SL	08/23/2007	0001	0	-	0	97	UJ	#	2	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)			Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Chloride	mg/L	0245	SL	08/22/2007	0001	0	-	0	84		#	2		
Chloride	mg/L	0259	SL	08/29/2007	0001	0	-	0	87	J	#	4		
Chloride	mg/L	0274	SL	09/04/2007	0001	0	-	0	91		J	#	2	
Chloride	mg/L	0274	SL	09/05/2007	0001	0	-	0	100	J	#	2		
Chloride	mg/L	0401	WL	08/30/2007	0001	18	-	18	1400		#	40		
Chloride	mg/L	0403	WL	08/30/2007	0001	18	-	18	1400		#	40		
Chloride	mg/L	0404	WL	08/28/2007	0001	18	-	18	790	J	#	20		
Chloride	mg/L	0405	WL	08/24/2007	0001	18	-	18	85	UJ	#	2		
Chloride	mg/L	0407	WL	08/30/2007	0001	18	-	18	91		#	4		
Chloride	mg/L	0408	WL	08/30/2007	0001	26	-	26	1800		#	40		
Chloride	mg/L	0470	WL	08/20/2007	0001	10.3	-	19.7	1100		#	20		
Chloride	mg/L	0471	WL	08/20/2007	0001	10.3	-	19.7	1800		#	20		
Chloride	mg/L	0472	WL	08/20/2007	0001	10.3	-	19.7	1100		#	20		
Chloride	mg/L	0473	WL	08/20/2007	0001	10.3	-	19.7	1200		#	20		
Chloride	mg/L	0474	WL	08/20/2007	0001	10.3	-	19.7	1700		#	20		
Chloride	mg/L	0475	WL	08/20/2007	0001	10.3	-	19.7	1500		#	20		
Chloride	mg/L	0476	WL	08/20/2007	0001	10.3	-	19.7	1600		#	20		
Chloride	mg/L	0477	WL	08/20/2007	0001	10.3	-	19.7	1800		#	20		
Chloride	mg/L	0478	WL	08/20/2007	0001	9.6	-	23.9	5500		#	100		
Chloride	mg/L	0479	WL	08/20/2007	0001	9.3	-	23.6	1500		#	20		
Chloride	mg/L	0479	WL	08/20/2007	0002	9.3	-	23.6	1500		#	40		
Chloride	mg/L	0480	WL	09/05/2007	0001	18	-	18	4300	J	#	100		
Chloride	mg/L	0481	WL	09/05/2007	0001	28	-	28	4000	J	#	40		
Chloride	mg/L	0482	WL	09/05/2007	0001	58	-	58	38000	J	#	400		
Chloride	mg/L	0483	WL	09/04/2007	0001	18	-	18	2300	J	#	40		
Chloride	mg/L	0484	WL	09/05/2007	0001	28	-	28	6100	J	#	100		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Chloride	mg/L	0485	WL	09/04/2007	0001	58	-	58	50000	J	#	1000	
Chloride	mg/L	0488	WL	08/24/2007	0001	39	-	39	1100	J	#	40	
Chloride	mg/L	0493	WL	08/24/2007	0001	54	-	54	1600	J	#	40	
Chloride	mg/L	0493	WL	08/24/2007	0002	54	-	54	1600	J	#	40	
Chloride	mg/L	0495	WL	08/23/2007	0001	4.6	-	5.6	290	J	#	10	
Chloride	mg/L	0496	WL	08/23/2007	0001	2.2	-	3.2	120	J	#	4	
Chloride	mg/L	0547	TS	09/06/2007	0001	0	-	0	7700	J	#	100	
Chloride	mg/L	0547	TS	09/06/2007	0002	0	-	0	7000	J	#	100	
Chloride	mg/L	0548	TS	09/06/2007	0001	0	-	0	9600	J	#	100	
Chloride	mg/L	0552	WL	09/05/2007	0001	18	-	18	2100	J	#	40	
Chloride	mg/L	0552	WL	09/05/2007	0002	18	-	18	2500	J	#	40	
Chloride	mg/L	0555	WL	08/30/2007	0001	18	-	18	1100		#	20	
Chloride	mg/L	0557	WL	09/05/2007	0001	40	-	40	5100	J	#	100	
Chloride	mg/L	0558	WL	08/30/2007	0001	36	-	36	26000		#	1000	
Chloride	mg/L	0559	WL	09/04/2007	0001	19	-	19	1200	J	#	20	
Chloride	mg/L	0560	WL	09/04/2007	0001	31	-	31	37000	J	#	1000	
Chloride	mg/L	0561	WL	09/04/2007	0001	50	-	50	46000	J	#	400	
Chloride	mg/L	0562	WL	08/22/2007	0001	1.3	-	2.3	79		#	2	
Chloride	mg/L	0563	WL	08/22/2007	0001	4.6	-	5.6	140		#	2	
Chloride	mg/L	0564	WL	08/22/2007	0001	1.2	-	2.2	89		#	2	
Chloride	mg/L	0565	WL	08/22/2007	0001	4	-	5	82		#	2	
Chloride	mg/L	0570	WL	08/20/2007	0001	15	-	30	6700		#	100	
Chloride	mg/L	0571	WL	08/20/2007	0001	25	-	40	33000		#	2000	
Chloride	mg/L	0572	WL	08/21/2007	0001	15	-	30	5800		#	100	
Chloride	mg/L	0573	WL	08/21/2007	0001	25	-	40	12000		#	200	
Chloride	mg/L	0574	WL	08/21/2007	0001	15	-	30	5500		#	100	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)			Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Chloride	mg/L	0577	WL	08/21/2007	0001	25	-	40	11000		#		200	
Chloride	mg/L	0578	WL	08/21/2007	0001	15	-	30	1900		#		40	
Chloride	mg/L	0579	WL	08/21/2007	0001	25	-	40	1700		#		40	
Chloride	mg/L	0581	WL	08/30/2007	0001	18	-	18	830		#		20	
Chloride	mg/L	0582	WL	08/30/2007	0001	18	-	18	1300		#		40	
Chloride	mg/L	0583	WL	08/30/2007	0001	18	-	18	910		#		20	
Chloride	mg/L	0584	WL	08/30/2007	0001	18	-	18	1100		#		40	
Chloride	mg/L	0585	WL	08/30/2007	0001	18	-	18	1700		#		40	
Chloride	mg/L	0586	WL	08/28/2007	0001	18	-	18	1800	J	#		40	
Chloride	mg/L	0587	WL	08/30/2007	0001	18	-	18	980		#		40	
Chloride	mg/L	0588	WL	08/30/2007	0001	34	-	34	11000		#		200	
Chloride	mg/L	0588	WL	08/30/2007	0002	34	-	34	9900		#		200	
Chloride	mg/L	0589	WL	08/30/2007	0001	52	-	52	36000		#		1000	
Chloride	mg/L	0590	WL	08/21/2007	0001	1	-	2	540		#		20	
Chloride	mg/L	0591	WL	08/21/2007	0001	3.9	-	4.9	470		#		20	
Chloride	mg/L	0596	WL	09/04/2007	0001	24	-	24	2600	J	#		40	
Chloride	mg/L	0597	WL	08/23/2007	0001	9.3	-	10.3	81	J	#		2	
Chloride	mg/L	0598	WL	08/23/2007	0001	9.1	-	10.1	92	J	#		4	
Chloride	mg/L	0599	WL	08/23/2007	0001	9.4	-	10.4	190	J	#		10	
Chloride	mg/L	0600	WL	08/30/2007	0001	28	-	28	2200		#		40	
Chloride	mg/L	0603	WL	08/21/2007	0001	9.2	-	10.2	770		#		20	
Chloride	mg/L	0604	WL	08/21/2007	0001	7.3	-	8.3	380	J	#		10	
Chloride	mg/L	0605	WL	08/21/2007	0001	9.4	-	10.4	290		#		10	
Chloride	mg/L	0606	WL	08/22/2007	0001	9.3	-	10.3	410		#		10	
Chloride	mg/L	0607	WL	08/22/2007	0001	9.6	-	10.6	810		#		10	
Chloride	mg/L	0608	WL	08/22/2007	0001	8.9	-	9.9	300		#		10	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Chloride	mg/L	0611	WL	08/22/2007	0001	2.2	-	3.2	74		#	2	
Chloride	mg/L	0612	WL	08/22/2007	0001	4.3	-	5.3	74		#	2	
Chloride	mg/L	0614	WL	08/21/2007	0001	5.1	-	6.1	480	J	#	20	
Chloride	mg/L	0615	WL	08/21/2007	0001	1.4	-	2.4	83		#	2	
Chloride	mg/L	0616	WL	08/21/2007	0001	5.3	-	6.3	100		#	4	
Chloride	mg/L	0617	WL	08/23/2007	0001	1.7	-	2.7	130	J	#	10	
Chloride	mg/L	0618	WL	08/23/2007	0001	5.3	-	6.3	130	J	#	4	
Chloride	mg/L	0670	WL	08/21/2007	0001	15.9	-	45.9	290		#	10	
Chloride	mg/L	0671	WL	08/21/2007	0001	14.4	-	44.4	270		#	10	
Chloride	mg/L	0672	WL	08/21/2007	0001	15	-	45	360		#	10	
Chloride	mg/L	0673	WL	08/21/2007	0001	16.3	-	46.3	260		#	10	
Chloride	mg/L	0674	WL	08/21/2007	0001	15.1	-	45.1	260		#	10	
Chloride	mg/L	0675	WL	08/21/2007	0001	16	-	46	260		#	10	
Chloride	mg/L	0676	WL	08/21/2007	0001	15.9	-	45.9	400		#	10	
Chloride	mg/L	0677	WL	08/21/2007	0001	15.2	-	45.2	230		#	10	
Chloride	mg/L	0678	WL	08/21/2007	0001	16.3	-	46.3	240		#	10	
Chloride	mg/L	0679	WL	08/21/2007	0001	15	-	45	280		#	10	
Chloride	mg/L	0680	WL	08/28/2007	0001	18	-	18	1000	J	#	20	
Chloride	mg/L	0681	WL	08/28/2007	0001	18	-	18	1300	J	#	20	
Chloride	mg/L	0682	WL	08/28/2007	0001	28	-	28	1600	J	#	40	
Chloride	mg/L	0682	WL	08/28/2007	0002	28	-	28	1600	J	#	40	
Chloride	mg/L	0683	WL	08/28/2007	0001	27	-	27	840	J	#	20	
Chloride	mg/L	0684	WL	08/28/2007	0001	18	-	18	95	J	#	4	
Chloride	mg/L	0685	WL	08/27/2007	0001	28	-	28	90	J	#	2	
Chloride	mg/L	0686	WL	08/28/2007	0001	18	-	18	98	J	#	4	
Chloride	mg/L	0687	WL	08/28/2007	0001	28	-	28	890	J	#	20	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Chloride	mg/L	0688	WL	08/28/2007	0001	39	-	39	1800	J	#	40	
Chloride	mg/L	0689	WL	08/28/2007	0001	54	-	54	19000	J	#	400	
Chloride	mg/L	0690	WL	08/29/2007	0001	3.3	-	4.3	880	J	#	20	
Chloride	mg/L	0691	WL	08/29/2007	0001	6.5	-	7.5	1400	J	#	40	
Chloride	mg/L	0692	WL	08/29/2007	0001	9.7	-	10.1	1200	J	#	40	
Chloride	mg/L	0693	WL	08/29/2007	0001	2	-	3	860	J	#	20	
Chloride	mg/L	0694	WL	08/29/2007	0001	4.3	-	5.3	1200	J	#	20	
Chloride	mg/L	0695	WL	08/29/2007	0001	9.3	-	10.3	1700	J	#	40	
Chloride	mg/L	0696	WL	08/29/2007	0001	1.3	-	2.3	490	J	#	10	
Chloride	mg/L	0697	WL	08/29/2007	0001	4.3	-	5.3	2400	J	#	40	
Chloride	mg/L	0724	WL	08/23/2007	0001	2.4	-	3.4	86	J	#	4	
Chloride	mg/L	0725	WL	08/23/2007	0001	4.6	-	5.6	85	J	#	4	
Chloride	mg/L	0726	WL	08/23/2007	0001	9.7	-	10.3	91	J	#	2	
Chloride	mg/L	0730	WL	08/27/2007	0001	18	-	18	85	J	#	2	
Chloride	mg/L	0731	WL	08/27/2007	0001	18	-	18	84	J	#	2	
Chloride	mg/L	0732	WL	08/27/2007	0001	18	-	18	110	J	#	2	
Chloride	mg/L	0733	WL	08/24/2007	0001	18	-	18	100	J	#	4	
Chloride	mg/L	0770	WL	08/20/2007	0001	14.9	-	34.8	11000		#	200	
Chloride	mg/L	0771	WL	08/20/2007	0001	15	-	34.9	11000		#	200	
Chloride	mg/L	0772	WL	08/20/2007	0001	15.15	-	35.0 5	800		#	20	
Chloride	mg/L	0773	WL	08/20/2007	0001	15.15	-	35.0 5	8700		#	100	
Chloride	mg/L	0774	WL	08/20/2007	0001	15.5	-	35.4	6700		#	100	
Chloride	mg/L	0775	WL	08/20/2007	0001	15.1	-	35	8700		#	100	
Chloride	mg/L	0776	WL	08/20/2007	0001	15.15	-	35.0 5	14000		#	200	
Chloride	mg/L	0777	WL	08/20/2007	0001	15.3	-	35.2	7900		#	100	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)			Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Chloride	mg/L	0778	WL	08/20/2007	0001	15.1	-	35	7900		#		100	
Chloride	mg/L	0779	WL	08/20/2007	0001	15.66	-	35.5 6	10000		#		200	
Chloride	mg/L	0780	WL	09/05/2007	0001	28	-	28	2700	J	#		40	
Chloride	mg/L	0781	WL	09/05/2007	0001	46	-	46	60000	J	#		1000	
Chloride	mg/L	0782	WL	09/05/2007	0001	33	-	33	54000	J	#		1000	
Chloride	mg/L	0785	WL	09/05/2007	0001	18	-	18	120	J	#		4	
Chloride	mg/L	0785	WL	09/05/2007	0002	18	-	18	130	J	#		4	
Chloride	mg/L	0786	WL	09/05/2007	0001	28	-	28	12000	J	#		200	
Chloride	mg/L	0787	WL	09/05/2007	0001	38	-	38	56000	J	#		1000	
Chloride	mg/L	0790	WL	09/04/2007	0001	2	-	3	76	J	#		2	
Chloride	mg/L	0791	WL	09/04/2007	0001	4.3	-	5.3	110	J	#		2	
Chloride	mg/L	0792	WL	09/04/2007	0001	9.3	-	10.3	2700	J	#		40	
Chloride	mg/L	0793	WL	09/04/2007	0001	2	-	3	80	J	#		2	
Chloride	mg/L	SMI-PW01	WL	09/06/2007	0001	40	-	40	1300	J	#		40	
Chloride	mg/L	SMI-PW01	WL	09/06/2007	0002	40	-	40	1200	J	#		40	
Chloride	mg/L	SMI-PZ1D	BH	09/06/2007	0001	0	-	0	38000	J	#		2000	
Chloride	mg/L	SMI-PZ1M	WL	09/06/2007	0001	57	-	57	2200	J	#		40	
Chloride	mg/L	SMI-PZ1M	WL	09/06/2007	0002	57	-	57	2200	J	#		40	
Chloride	mg/L	SMI-PZ1S	WL	09/06/2007	0001	18	-	18	820	J	#		20	
Copper	mg/L	0239	SL	08/21/2007	0001	0	-	0	0.00076	B	J	#	0.00044	
Copper	mg/L	0243	SL	08/23/2007	0001	0	-	0	0.00044	U	J	#	0.00044	
Copper	mg/L	0245	SL	08/22/2007	0001	0	-	0	0.0011	B	J	#	0.00044	
Copper	mg/L	0259	SL	08/29/2007	0001	0	-	0	0.0027	B		#	0.00044	
Copper	mg/L	0274	SL	09/04/2007	0001	0	-	0	0.0015	B		#	0.00044	
Copper	mg/L	0274	SL	09/05/2007	0001	0	-	0	0.0027	B		#	0.00044	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)	Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Copper	mg/L	0401	WL	08/30/2007	0001	18	- 18	0.011	B	J	#	0.0044
Copper	mg/L	0403	WL	08/30/2007	0001	18	- 18	0.0098	B	J	#	0.0044
Copper	mg/L	0404	WL	08/28/2007	0001	18	- 18	0.0065	B		#	0.0022
Copper	mg/L	0405	WL	08/24/2007	0001	18	- 18	0.00044	U	J	#	0.00044
Copper	mg/L	0407	WL	08/30/2007	0001	18	- 18	0.001	B	J	#	0.00044
Copper	mg/L	0408	WL	08/30/2007	0001	26	- 26	0.0073	B	J	#	0.0044
Copper	mg/L	0470	WL	08/20/2007	0001	10.3	- 19.7	0.0022	U	J	#	0.0022
Copper	mg/L	0471	WL	08/20/2007	0001	10.3	- 19.7	0.0022	U	J	#	0.0022
Copper	mg/L	0472	WL	08/20/2007	0001	10.3	- 19.7	0.0022	U	J	#	0.0022
Copper	mg/L	0473	WL	08/20/2007	0001	10.3	- 19.7	0.0022	U	J	#	0.0022
Copper	mg/L	0474	WL	08/20/2007	0001	10.3	- 19.7	0.0022	U	J	#	0.0022
Copper	mg/L	0475	WL	08/20/2007	0001	10.3	- 19.7	0.0022	U	J	#	0.0022
Copper	mg/L	0476	WL	08/20/2007	0001	10.3	- 19.7	0.0022	U	J	#	0.0022
Copper	mg/L	0477	WL	08/20/2007	0001	10.3	- 19.7	0.0022	U	J	#	0.0022
Copper	mg/L	0478	WL	08/20/2007	0001	9.6	- 23.9	0.014	B	J	#	0.0044
Copper	mg/L	0479	WL	08/20/2007	0001	9.3	- 23.6	0.0022	U	J	#	0.0022
Copper	mg/L	0479	WL	08/20/2007	0002	9.3	- 23.6	0.044	U	J	#	0.044
Copper	mg/L	0480	WL	09/05/2007	0001	18	- 18	0.0044	U		#	0.0044
Copper	mg/L	0481	WL	09/05/2007	0001	28	- 28	0.0044	U		#	0.0044
Copper	mg/L	0482	WL	09/05/2007	0001	58	- 58	0.022	U		#	0.022
Copper	mg/L	0483	WL	09/04/2007	0001	18	- 18	0.0087	B		#	0.0044
Copper	mg/L	0484	WL	09/05/2007	0001	28	- 28	0.011	U		#	0.011
Copper	mg/L	0485	WL	09/04/2007	0001	58	- 58	0.022	U		#	0.022
Copper	mg/L	0488	WL	08/24/2007	0001	39	- 39	0.0022	U	J	#	0.0022
Copper	mg/L	0493	WL	08/24/2007	0001	54	- 54	0.0044	U	J	#	0.0044
Copper	mg/L	0493	WL	08/24/2007	0002	54	- 54	0.0044	U	J	#	0.0044

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Copper	mg/L	0495	WL	08/23/2007	0001	4.6	-	5.6	0.0025	B	J	#	0.00088
Copper	mg/L	0496	WL	08/23/2007	0001	2.2	-	3.2	0.00044	U	J	#	0.00044
Copper	mg/L	0547	TS	09/06/2007	0001	0	-	0	0.013	B		#	0.0044
Copper	mg/L	0547	TS	09/06/2007	0002	0	-	0	0.018	B		#	0.011
Copper	mg/L	0548	TS	09/06/2007	0001	0	-	0	0.012	B		#	0.011
Copper	mg/L	0552	WL	09/05/2007	0001	18	-	18	0.0044	U		#	0.0044
Copper	mg/L	0552	WL	09/05/2007	0002	18	-	18	0.0053	B		#	0.0044
Copper	mg/L	0555	WL	08/30/2007	0001	18	-	18	0.0047	B	J	#	0.0022
Copper	mg/L	0557	WL	09/05/2007	0001	40	-	40	0.0056	B		#	0.0044
Copper	mg/L	0558	WL	08/30/2007	0001	36	-	36	0.044	U	J	#	0.044
Copper	mg/L	0559	WL	09/04/2007	0001	19	-	19	0.0034	B		#	0.0022
Copper	mg/L	0560	WL	09/04/2007	0001	31	-	31	0.022	U		#	0.022
Copper	mg/L	0561	WL	09/04/2007	0001	50	-	50	0.022	U		#	0.022
Copper	mg/L	0562	WL	08/22/2007	0001	1.3	-	2.3	0.00044	U	J	#	0.00044
Copper	mg/L	0563	WL	08/22/2007	0001	4.6	-	5.6	0.00044	U	J	#	0.00044
Copper	mg/L	0564	WL	08/22/2007	0001	1.2	-	2.2	0.00044	U	J	#	0.00044
Copper	mg/L	0565	WL	08/22/2007	0001	4	-	5	0.00044	U	J	#	0.00044
Copper	mg/L	0570	WL	08/20/2007	0001	15	-	30	0.11			#	0.0044
Copper	mg/L	0571	WL	08/20/2007	0001	25	-	40	0.022	U	J	#	0.022
Copper	mg/L	0572	WL	08/21/2007	0001	15	-	30	0.011	U	J	#	0.011
Copper	mg/L	0573	WL	08/21/2007	0001	25	-	40	0.022	U	J	#	0.022
Copper	mg/L	0574	WL	08/21/2007	0001	15	-	30	0.006	B	J	#	0.0044
Copper	mg/L	0577	WL	08/21/2007	0001	25	-	40	0.088	B	J	#	0.022
Copper	mg/L	0578	WL	08/21/2007	0001	15	-	30	0.079	B		#	0.0044
Copper	mg/L	0579	WL	08/21/2007	0001	25	-	40	0.058	B		#	0.0044
Copper	mg/L	0581	WL	08/30/2007	0001	18	-	18	0.0052	B	J	#	0.0022

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	18	-	18	0.014	B	J	#	Detection Limit	Uncertainty
						Depth Range (Ft BLS)			Result	Lab	Qualifiers Data	QA		
Copper	mg/L	0582	WL	08/30/2007	0001	18	-	18	0.014	B	J	#	0.0044	
Copper	mg/L	0583	WL	08/30/2007	0001	18	-	18	0.0069	B	J	#	0.0022	
Copper	mg/L	0584	WL	08/30/2007	0001	18	-	18	0.0071	B	J	#	0.0044	
Copper	mg/L	0585	WL	08/30/2007	0001	18	-	18	0.0096	B	J	#	0.0044	
Copper	mg/L	0586	WL	08/28/2007	0001	18	-	18	0.0064	B		#	0.0022	
Copper	mg/L	0587	WL	08/30/2007	0001	18	-	18	0.0075	B	J	#	0.0022	
Copper	mg/L	0588	WL	08/30/2007	0001	34	-	34	0.011	U	J	#	0.011	
Copper	mg/L	0588	WL	08/30/2007	0002	34	-	34	0.011	U	J	#	0.011	
Copper	mg/L	0589	WL	08/30/2007	0001	52	-	52	0.022	U	J	#	0.022	
Copper	mg/L	0590	WL	08/21/2007	0001	1	-	2	0.0022	U	J	#	0.0022	
Copper	mg/L	0591	WL	08/21/2007	0001	3.9	-	4.9	0.0022	U	J	#	0.0022	
Copper	mg/L	0596	WL	09/04/2007	0001	24	-	24	0.0048	B		#	0.0044	
Copper	mg/L	0597	WL	08/23/2007	0001	9.3	-	10.3	0.00044	U	J	#	0.00044	
Copper	mg/L	0598	WL	08/23/2007	0001	9.1	-	10.1	0.00044	U	J	#	0.00044	
Copper	mg/L	0599	WL	08/23/2007	0001	9.4	-	10.4	0.00088	U	J	#	0.00088	
Copper	mg/L	0600	WL	08/30/2007	0001	28	-	28	0.0066	B	J	#	0.0044	
Copper	mg/L	0603	WL	08/21/2007	0001	9.2	-	10.2	0.0022	U	J	#	0.0022	
Copper	mg/L	0604	WL	08/21/2007	0001	7.3	-	8.3	0.00088	U	J	#	0.00088	
Copper	mg/L	0605	WL	08/21/2007	0001	9.4	-	10.4	0.00088	U	J	#	0.00088	
Copper	mg/L	0606	WL	08/22/2007	0001	9.3	-	10.3	0.00088	U	J	#	0.00088	
Copper	mg/L	0607	WL	08/22/2007	0001	9.6	-	10.6	0.00088	U	J	#	0.00088	
Copper	mg/L	0608	WL	08/22/2007	0001	8.9	-	9.9	0.00088	U	J	#	0.00088	
Copper	mg/L	0611	WL	08/22/2007	0001	2.2	-	3.2	0.00044	U	J	#	0.00044	
Copper	mg/L	0612	WL	08/22/2007	0001	4.3	-	5.3	0.00044	U	J	#	0.00044	
Copper	mg/L	0614	WL	08/21/2007	0001	5.1	-	6.1	0.0022	U	J	#	0.0022	
Copper	mg/L	0615	WL	08/21/2007	0001	1.4	-	2.4	0.00044	U	J	#	0.00044	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Copper	mg/L	0616	WL	08/21/2007	0001	5.3	-	6.3	0.00044	U	J	#	0.00044
Copper	mg/L	0617	WL	08/23/2007	0001	1.7	-	2.7	0.0011	B	J	#	0.00044
Copper	mg/L	0618	WL	08/23/2007	0001	5.3	-	6.3	0.0013	B	UJ	#	0.00044
Copper	mg/L	0670	WL	08/21/2007	0001	15.9	-	45.9	0.0066	B		#	0.00044
Copper	mg/L	0671	WL	08/21/2007	0001	14.4	-	44.4	0.003	B	J	#	0.00088
Copper	mg/L	0672	WL	08/21/2007	0001	15	-	45	0.012	B		#	0.00088
Copper	mg/L	0673	WL	08/21/2007	0001	16.3	-	46.3	0.0033	B	J	#	0.00088
Copper	mg/L	0674	WL	08/21/2007	0001	15.1	-	45.1	0.0017	B	J	#	0.00088
Copper	mg/L	0675	WL	08/21/2007	0001	16	-	46	0.0069	B	J	#	0.00088
Copper	mg/L	0676	WL	08/21/2007	0001	15.9	-	45.9	0.016	B	J	#	0.00088
Copper	mg/L	0677	WL	08/21/2007	0001	15.2	-	45.2	0.0056	B	J	#	0.00088
Copper	mg/L	0678	WL	08/21/2007	0001	16.3	-	46.3	0.0015	B	J	#	0.00088
Copper	mg/L	0679	WL	08/21/2007	0001	15	-	45	0.0045	B	J	#	0.00088
Copper	mg/L	0680	WL	08/28/2007	0001	18	-	18	0.0074	B		#	0.0022
Copper	mg/L	0681	WL	08/28/2007	0001	18	-	18	0.02	B		#	0.0022
Copper	mg/L	0682	WL	08/28/2007	0001	28	-	28	0.0081	B		#	0.0022
Copper	mg/L	0682	WL	08/28/2007	0002	28	-	28	0.012	B		#	0.0044
Copper	mg/L	0683	WL	08/28/2007	0001	27	-	27	0.0076	B		#	0.0022
Copper	mg/L	0684	WL	08/28/2007	0001	18	-	18	0.0035	B	J	#	0.00044
Copper	mg/L	0685	WL	08/27/2007	0001	28	-	28	0.0034	B		#	0.00044
Copper	mg/L	0686	WL	08/28/2007	0001	18	-	18	0.0018	B	J	#	0.00044
Copper	mg/L	0687	WL	08/28/2007	0001	28	-	28	0.0082	B		#	0.0022
Copper	mg/L	0688	WL	08/28/2007	0001	39	-	39	0.0094	B		#	0.0022
Copper	mg/L	0689	WL	08/28/2007	0001	54	-	54	0.016	B		#	0.011
Copper	mg/L	0690	WL	08/29/2007	0001	3.3	-	4.3	0.0029	B		#	0.0022
Copper	mg/L	0691	WL	08/29/2007	0001	6.5	-	7.5	0.013	B		#	0.0022

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Copper	mg/L	0692	WL	08/29/2007	0001	9.7	-	10.1	0.015	B	#	0.0022	
Copper	mg/L	0693	WL	08/29/2007	0001	2	-	3	0.0056	B	#	0.0022	
Copper	mg/L	0694	WL	08/29/2007	0001	4.3	-	5.3	0.0072	B	#	0.0022	
Copper	mg/L	0695	WL	08/29/2007	0001	9.3	-	10.3	0.012	B	#	0.0044	
Copper	mg/L	0696	WL	08/29/2007	0001	1.3	-	2.3	0.0038	B	#	0.00088	
Copper	mg/L	0697	WL	08/29/2007	0001	4.3	-	5.3	0.0084	B	#	0.0044	
Copper	mg/L	0698	WL	08/30/2007	0001	9.9	-	10.3	0.02	B	J	#	0.0044
Copper	mg/L	0724	WL	08/23/2007	0001	2.4	-	3.4	0.00044	U	J	#	0.00044
Copper	mg/L	0725	WL	08/23/2007	0001	4.6	-	5.6	0.00044	U	J	#	0.00044
Copper	mg/L	0726	WL	08/23/2007	0001	9.7	-	10.3	0.00044	U	J	#	0.00044
Copper	mg/L	0730	WL	08/27/2007	0001	18	-	18	0.0031	B	#	0.00044	
Copper	mg/L	0731	WL	08/27/2007	0001	18	-	18	0.0022	B	#	0.00044	
Copper	mg/L	0732	WL	08/27/2007	0001	18	-	18	0.0024	B	U	#	0.00044
Copper	mg/L	0733	WL	08/24/2007	0001	18	-	18	0.00044	U	J	#	0.00044
Copper	mg/L	0770	WL	08/20/2007	0001	14.9	-	34.8	0.011	U	J	#	0.011
Copper	mg/L	0771	WL	08/20/2007	0001	15	-	34.9	0.011	U	J	#	0.011
Copper	mg/L	0772	WL	08/20/2007	0001	15.15	-	35.0	0.0022	U	J	#	0.0022
Copper	mg/L	0773	WL	08/20/2007	0001	15.15	-	35.0	0.011	U	J	#	0.011
Copper	mg/L	0774	WL	08/20/2007	0001	15.5	-	35.4	0.011	U	J	#	0.011
Copper	mg/L	0775	WL	08/20/2007	0001	15.1	-	35	0.011	U	J	#	0.011
Copper	mg/L	0776	WL	08/20/2007	0001	15.15	-	35.0	0.022	U	J	#	0.022
Copper	mg/L	0777	WL	08/20/2007	0001	15.3	-	35.2	0.011	U	J	#	0.011
Copper	mg/L	0778	WL	08/20/2007	0001	15.1	-	35	0.011	U	J	#	0.011
Copper	mg/L	0779	WL	08/20/2007	0001	15.66	-	35.5	0.022	U	J	#	0.022
Copper	mg/L	0780	WL	09/05/2007	0001	28	-	28	0.0044	U	#	0.0044	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**  
**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	46	-	46	0.39	B	Qualifiers Data	QA	Detection Limit	Uncertainty
						Depth Range (Ft BLS)		Result		Lab				
Copper	mg/L	0781	WL	09/05/2007	0001	46	-	46	0.39	B	#	0.022		
Copper	mg/L	0782	WL	09/05/2007	0001	33	-	33	0.12	B	#	0.022		
Copper	mg/L	0785	WL	09/05/2007	0001	18	-	18	0.00086	B	#	0.00044		
Copper	mg/L	0785	WL	09/05/2007	0002	18	-	18	0.00089	B	#	0.00044		
Copper	mg/L	0786	WL	09/05/2007	0001	28	-	28	0.012	B	#	0.011		
Copper	mg/L	0787	WL	09/05/2007	0001	38	-	38	0.29	B	#	0.022		
Copper	mg/L	0790	WL	09/04/2007	0001	2	-	3	0.0012	B	#	0.00044		
Copper	mg/L	0791	WL	09/04/2007	0001	4.3	-	5.3	0.001	B	#	0.00044		
Copper	mg/L	0792	WL	09/04/2007	0001	9.3	-	10.3	0.0022	U	#	0.0022		
Copper	mg/L	0793	WL	09/04/2007	0001	2	-	3	0.00072	B	#	0.00044		
Copper	mg/L	0795	WL	09/05/2007	0001	9.3	-	10.3	0.00044	U	#	0.00044		
Copper	mg/L	SMI-PW01	WL	09/06/2007	0001	40	-	40	0.0074	B	#	0.0044		
Copper	mg/L	SMI-PW01	WL	09/06/2007	0002	40	-	40	0.0055	B	#	0.0044		
Copper	mg/L	SMI-PZ1D	BH	09/06/2007	0001	0	-	0	0.023	B	#	0.022		
Copper	mg/L	SMI-PZ1M	WL	09/06/2007	0001	57	-	57	0.0082	B	#	0.0044		
Copper	mg/L	SMI-PZ1M	WL	09/06/2007	0002	57	-	57	0.0073	B	#	0.0044		
Copper	mg/L	SMI-PZ1S	WL	09/06/2007	0001	18	-	18	0.0069	B	#	0.0022		
Dissolved Oxygen	mg/L	0239	SL	08/21/2007	0001	0	-	0	8.69		#			
Dissolved Oxygen	mg/L	0243	SL	08/23/2007	0001	0	-	0	9.52		#			
Dissolved Oxygen	mg/L	0245	SL	08/22/2007	0001	0	-	0	8.69		#			
Dissolved Oxygen	mg/L	0259	SL	08/29/2007	0001	0	-	0	6.2		#			
Dissolved Oxygen	mg/L	0274	SL	09/04/2007	0001	0	-	0	10.53		#			
Dissolved Oxygen	mg/L	0274	SL	09/05/2007	0001	0	-	0	9.41		#			
Dissolved Oxygen	mg/L	0401	WL	08/30/2007	0001	18	-	18	0.29		#			
Dissolved Oxygen	mg/L	0403	WL	08/30/2007	0001	18	-	18	0.46		#			

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Dissolved Oxygen	mg/L	0404	WL	08/28/2007	0001	18	-	18	0.63		#		
Dissolved Oxygen	mg/L	0405	WL	08/24/2007	0001	18	-	18	1.37		#		
Dissolved Oxygen	mg/L	0407	WL	08/30/2007	0001	18	-	18	2.27		#		
Dissolved Oxygen	mg/L	0408	WL	08/30/2007	0001	26	-	26	1.09		#		
Dissolved Oxygen	mg/L	0470	WL	08/20/2007	0001	10.3	-	19.7	0.58		#		
Dissolved Oxygen	mg/L	0471	WL	08/20/2007	0001	10.3	-	19.7	0.98		#		
Dissolved Oxygen	mg/L	0472	WL	08/20/2007	0001	10.3	-	19.7	0.96		#		
Dissolved Oxygen	mg/L	0473	WL	08/20/2007	0001	10.3	-	19.7	0.77		#		
Dissolved Oxygen	mg/L	0474	WL	08/20/2007	0001	10.3	-	19.7	1.96		#		
Dissolved Oxygen	mg/L	0475	WL	08/20/2007	0001	10.3	-	19.7	1.97		#		
Dissolved Oxygen	mg/L	0476	WL	08/20/2007	0001	10.3	-	19.7	1.8		#		
Dissolved Oxygen	mg/L	0477	WL	08/20/2007	0001	10.3	-	19.7	1.01		#		
Dissolved Oxygen	mg/L	0478	WL	08/20/2007	0001	9.6	-	23.9	2.25		#		
Dissolved Oxygen	mg/L	0479	WL	08/20/2007	0001	9.3	-	23.6	0.9		#		
Dissolved Oxygen	mg/L	0480	WL	09/05/2007	0001	18	-	18	0.44		#		
Dissolved Oxygen	mg/L	0481	WL	09/05/2007	0001	28	-	28	0.33		#		
Dissolved Oxygen	mg/L	0482	WL	09/05/2007	0001	58	-	58	0.28		#		
Dissolved Oxygen	mg/L	0483	WL	09/04/2007	0001	18	-	18	0.9		#		
Dissolved Oxygen	mg/L	0484	WL	09/05/2007	0001	28	-	28	0.29		#		
Dissolved Oxygen	mg/L	0485	WL	09/04/2007	0001	58	-	58	0.27		#		
Dissolved Oxygen	mg/L	0488	WL	08/24/2007	0001	39	-	39	1.84		#		
Dissolved Oxygen	mg/L	0493	WL	08/24/2007	0001	54	-	54	1.58		#		
Dissolved Oxygen	mg/L	0495	WL	08/23/2007	0001	4.6	-	5.6	5.04		#		
Dissolved Oxygen	mg/L	0496	WL	08/23/2007	0001	2.2	-	3.2	6.84		#		
Dissolved Oxygen	mg/L	0547	TS	09/06/2007	0001	0	-	0	4.86		#		
Dissolved Oxygen	mg/L	0548	TS	09/06/2007	0001	0	-	0	7.07		#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Dissolved Oxygen	mg/L	0552	WL	09/05/2007	0001	18	-	18	0.38		#		
Dissolved Oxygen	mg/L	0555	WL	08/30/2007	0001	18	-	18	0.74		#		
Dissolved Oxygen	mg/L	0557	WL	09/05/2007	0001	40	-	40	0.33		#		
Dissolved Oxygen	mg/L	0558	WL	08/30/2007	0001	36	-	36	0.19		#		
Dissolved Oxygen	mg/L	0559	WL	09/04/2007	0001	19	-	19	0.51		#		
Dissolved Oxygen	mg/L	0560	WL	09/04/2007	0001	31	-	31	0.25		#		
Dissolved Oxygen	mg/L	0561	WL	09/04/2007	0001	50	-	50	0.25		#		
Dissolved Oxygen	mg/L	0562	WL	08/22/2007	0001	1.3	-	2.3	2.38		#		
Dissolved Oxygen	mg/L	0563	WL	08/22/2007	0001	4.6	-	5.6	6.02		#		
Dissolved Oxygen	mg/L	0564	WL	08/22/2007	0001	1.2	-	2.2	1.36		#		
Dissolved Oxygen	mg/L	0565	WL	08/22/2007	0001	4	-	5	0.6		#		
Dissolved Oxygen	mg/L	0570	WL	08/20/2007	0001	15	-	30	2.58		#		
Dissolved Oxygen	mg/L	0571	WL	08/20/2007	0001	25	-	40	2.19		#		
Dissolved Oxygen	mg/L	0572	WL	08/21/2007	0001	15	-	30	1.68		#		
Dissolved Oxygen	mg/L	0573	WL	08/21/2007	0001	25	-	40	2.84		#		
Dissolved Oxygen	mg/L	0574	WL	08/21/2007	0001	15	-	30	2.21		#		
Dissolved Oxygen	mg/L	0577	WL	08/21/2007	0001	25	-	40	6.42		#		
Dissolved Oxygen	mg/L	0578	WL	08/21/2007	0001	15	-	30	2.68		#		
Dissolved Oxygen	mg/L	0579	WL	08/21/2007	0001	25	-	40	2.89		#		
Dissolved Oxygen	mg/L	0581	WL	08/30/2007	0001	18	-	18	0.81		#		
Dissolved Oxygen	mg/L	0582	WL	08/30/2007	0001	18	-	18	0.89		#		
Dissolved Oxygen	mg/L	0583	WL	08/30/2007	0001	18	-	18	0.56		#		
Dissolved Oxygen	mg/L	0584	WL	08/30/2007	0001	18	-	18	0.62		#		
Dissolved Oxygen	mg/L	0585	WL	08/30/2007	0001	18	-	18	0.63		#		
Dissolved Oxygen	mg/L	0586	WL	08/28/2007	0001	18	-	18	0.43		#		
Dissolved Oxygen	mg/L	0587	WL	08/30/2007	0001	18	-	18	0.51		#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Dissolved Oxygen	mg/L	0588	WL	08/30/2007	0001	34	-	34	0.43		#		
Dissolved Oxygen	mg/L	0589	WL	08/30/2007	0001	52	-	52	0.31		#		
Dissolved Oxygen	mg/L	0590	WL	08/21/2007	0001	1	-	2	5.45		#		
Dissolved Oxygen	mg/L	0591	WL	08/21/2007	0001	3.9	-	4.9	1.67		#		
Dissolved Oxygen	mg/L	0596	WL	09/04/2007	0001	24	-	24	0.34		#		
Dissolved Oxygen	mg/L	0597	WL	08/23/2007	0001	9.3	-	10.3	1.85		#		
Dissolved Oxygen	mg/L	0598	WL	08/23/2007	0001	9.1	-	10.1	1.66		#		
Dissolved Oxygen	mg/L	0599	WL	08/23/2007	0001	9.4	-	10.4	2.45		#		
Dissolved Oxygen	mg/L	0600	WL	08/30/2007	0001	28	-	28	0.73		#		
Dissolved Oxygen	mg/L	0603	WL	08/21/2007	0001	9.2	-	10.2	2.32		#		
Dissolved Oxygen	mg/L	0604	WL	08/21/2007	0001	7.3	-	8.3	5.87		#		
Dissolved Oxygen	mg/L	0605	WL	08/21/2007	0001	9.4	-	10.4	1.04		#		
Dissolved Oxygen	mg/L	0606	WL	08/22/2007	0001	9.3	-	10.3	1.14		#		
Dissolved Oxygen	mg/L	0607	WL	08/22/2007	0001	9.6	-	10.6	1.8		#		
Dissolved Oxygen	mg/L	0608	WL	08/22/2007	0001	8.9	-	9.9	5.31		#		
Dissolved Oxygen	mg/L	0611	WL	08/22/2007	0001	2.2	-	3.2	2.77		#		
Dissolved Oxygen	mg/L	0612	WL	08/22/2007	0001	4.3	-	5.3	1.33		#		
Dissolved Oxygen	mg/L	0614	WL	08/21/2007	0001	5.1	-	6.1	5.42		#		
Dissolved Oxygen	mg/L	0615	WL	08/21/2007	0001	1.4	-	2.4	7.21		#		
Dissolved Oxygen	mg/L	0616	WL	08/21/2007	0001	5.3	-	6.3	1.33		#		
Dissolved Oxygen	mg/L	0617	WL	08/23/2007	0001	1.7	-	2.7	6.91		#		
Dissolved Oxygen	mg/L	0618	WL	08/23/2007	0001	5.3	-	6.3	1.64		#		
Dissolved Oxygen	mg/L	0670	WL	08/21/2007	0001	15.9	-	45.9	3.79		#		
Dissolved Oxygen	mg/L	0671	WL	08/21/2007	0001	14.4	-	44.4	4.06		#		
Dissolved Oxygen	mg/L	0672	WL	08/21/2007	0001	15	-	45	2.23		#		
Dissolved Oxygen	mg/L	0673	WL	08/21/2007	0001	16.3	-	46.3	3.03		#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Dissolved Oxygen	mg/L	0674	WL	08/21/2007	0001	15.1	-	45.1	2.43		#		
Dissolved Oxygen	mg/L	0675	WL	08/21/2007	0001	16	-	46	2.41		#		
Dissolved Oxygen	mg/L	0676	WL	08/21/2007	0001	15.9	-	45.9	2.68		#		
Dissolved Oxygen	mg/L	0677	WL	08/21/2007	0001	15.2	-	45.2	3.14		#		
Dissolved Oxygen	mg/L	0678	WL	08/21/2007	0001	16.3	-	46.3	2.71		#		
Dissolved Oxygen	mg/L	0679	WL	08/21/2007	0001	15	-	45	2.54		#		
Dissolved Oxygen	mg/L	0680	WL	08/28/2007	0001	18	-	18	0.4		#		
Dissolved Oxygen	mg/L	0681	WL	08/28/2007	0001	18	-	18	0.67		#		
Dissolved Oxygen	mg/L	0682	WL	08/28/2007	0001	28	-	28	0.45		#		
Dissolved Oxygen	mg/L	0683	WL	08/28/2007	0001	27	-	27	1.01		#		
Dissolved Oxygen	mg/L	0684	WL	08/28/2007	0001	18	-	18	1.02		#		
Dissolved Oxygen	mg/L	0685	WL	08/27/2007	0001	28	-	28	0.84		#		
Dissolved Oxygen	mg/L	0686	WL	08/28/2007	0001	18	-	18	1.08		#		
Dissolved Oxygen	mg/L	0687	WL	08/28/2007	0001	28	-	28	0.36		#		
Dissolved Oxygen	mg/L	0688	WL	08/28/2007	0001	31	-	31	0.4		#		
Dissolved Oxygen	mg/L	0688	WL	08/28/2007	0001	39	-	39	0.44		#		
Dissolved Oxygen	mg/L	0689	WL	08/28/2007	0001	46	-	46	0.44		#		
Dissolved Oxygen	mg/L	0689	WL	08/28/2007	0001	54	-	54	0.64		#		
Dissolved Oxygen	mg/L	0690	WL	08/29/2007	0001	3.3	-	4.3	4.8		#		
Dissolved Oxygen	mg/L	0691	WL	08/29/2007	0001	6.5	-	7.5	2.55		#		
Dissolved Oxygen	mg/L	0692	WL	08/29/2007	0001	9.7	-	10.1	0.04		#		
Dissolved Oxygen	mg/L	0693	WL	08/29/2007	0001	2	-	3	3.5		#		
Dissolved Oxygen	mg/L	0694	WL	08/29/2007	0001	4.3	-	5.3	5.44		#		
Dissolved Oxygen	mg/L	0695	WL	08/29/2007	0001	9.3	-	10.3	3.84		#		
Dissolved Oxygen	mg/L	0696	WL	08/29/2007	0001	1.3	-	2.3	0.94		#		
Dissolved Oxygen	mg/L	0697	WL	08/29/2007	0001	4.3	-	5.3	0.72		#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Dissolved Oxygen	mg/L	0698	WL	08/30/2007	0001	9.9	-	10.3	3.11		#		
Dissolved Oxygen	mg/L	0724	WL	08/23/2007	0001	2.4	-	3.4	2.08		#		
Dissolved Oxygen	mg/L	0725	WL	08/23/2007	0001	4.6	-	5.6	5.9		#		
Dissolved Oxygen	mg/L	0726	WL	08/23/2007	0001	9.7	-	10.3	3.59		#		
Dissolved Oxygen	mg/L	0730	WL	08/27/2007	0001	18	-	18	1.5		#		
Dissolved Oxygen	mg/L	0731	WL	08/27/2007	0001	18	-	18	1.35		#		
Dissolved Oxygen	mg/L	0732	WL	08/27/2007	0001	18	-	18	1.58		#		
Dissolved Oxygen	mg/L	0733	WL	08/24/2007	0001	18	-	18	1.36		#		
Dissolved Oxygen	mg/L	0770	WL	08/20/2007	0001	14.9	-	34.8	2.32		#		
Dissolved Oxygen	mg/L	0771	WL	08/20/2007	0001	15	-	34.9	1.01		#		
Dissolved Oxygen	mg/L	0772	WL	08/20/2007	0001	15.15	-	35.0 5	0.76		#		
Dissolved Oxygen	mg/L	0773	WL	08/20/2007	0001	15.15	-	35.0 5	0.51		#		
Dissolved Oxygen	mg/L	0774	WL	08/20/2007	0001	15.5	-	35.4	2.34		#		
Dissolved Oxygen	mg/L	0775	WL	08/20/2007	0001	15.1	-	35	3.2		#		
Dissolved Oxygen	mg/L	0776	WL	08/20/2007	0001	15.15	-	35.0 5	1.16		#		
Dissolved Oxygen	mg/L	0777	WL	08/20/2007	0001	15.3	-	35.2	1.71		#		
Dissolved Oxygen	mg/L	0778	WL	08/20/2007	0001	15.1	-	35	2.07		#		
Dissolved Oxygen	mg/L	0779	WL	08/20/2007	0001	15.66	-	35.5 6	1.9		#		
Dissolved Oxygen	mg/L	0780	WL	09/05/2007	0001	28	-	28	0.46		#		
Dissolved Oxygen	mg/L	0781	WL	09/05/2007	0001	46	-	46	0.25		#		
Dissolved Oxygen	mg/L	0782	WL	09/05/2007	0001	33	-	33	0.27		#		
Dissolved Oxygen	mg/L	0785	WL	09/05/2007	0001	18	-	18	0.68		#		
Dissolved Oxygen	mg/L	0786	WL	09/05/2007	0001	28	-	28	0.88		#		
Dissolved Oxygen	mg/L	0787	WL	09/05/2007	0001	38	-	38	0.59		#		
Dissolved Oxygen	mg/L	0790	WL	09/04/2007	0001	2	-	3	0.83		#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Dissolved Oxygen	mg/L	0791	WL	09/04/2007	0001	4.3	-	5.3	0.83		#		
Dissolved Oxygen	mg/L	0792	WL	09/04/2007	0001	9.3	-	10.3	3.25		#		
Dissolved Oxygen	mg/L	0793	WL	09/04/2007	0001	2	-	3	0.81		#		
Dissolved Oxygen	mg/L	0795	WL	09/05/2007	0001	9.3	-	10.3	2.73		#		
Dissolved Oxygen	mg/L	SMI-PW01	WL	09/06/2007	0001	40	-	40	1.03		#		
Dissolved Oxygen	mg/L	SMI-PZ1D	BH	09/06/2007	0001	0	-	0	0.66		#		
Dissolved Oxygen	mg/L	SMI-PZ1M	WL	09/06/2007	0001	57	-	57	0.88		#		
Dissolved Oxygen	mg/L	SMI-PZ1S	WL	09/06/2007	0001	18	-	18	1.2		#		
Manganese	mg/L	0239	SL	08/21/2007	0001	0	-	0	0.0042	B	#	0.00015	
Manganese	mg/L	0243	SL	08/23/2007	0001	0	-	0	0.024		#	0.00015	
Manganese	mg/L	0245	SL	08/22/2007	0001	0	-	0	0.0059		#	0.00015	
Manganese	mg/L	0259	SL	08/29/2007	0001	0	-	0	0.011		#	0.00015	
Manganese	mg/L	0274	SL	09/04/2007	0001	0	-	0	0.15	U	#	0.00015	
Manganese	mg/L	0274	SL	09/05/2007	0001	0	-	0	0.21		#	0.00015	
Manganese	mg/L	0401	WL	08/30/2007	0001	18	-	18	4.1	J	#	0.0015	
Manganese	mg/L	0403	WL	08/30/2007	0001	18	-	18	4.7	J	#	0.0015	
Manganese	mg/L	0404	WL	08/28/2007	0001	18	-	18	2		#	0.00075	
Manganese	mg/L	0405	WL	08/24/2007	0001	18	-	18	0.34		#	0.00015	
Manganese	mg/L	0407	WL	08/30/2007	0001	18	-	18	0.55	J	#	0.00015	
Manganese	mg/L	0408	WL	08/30/2007	0001	26	-	26	4.6	J	#	0.0015	
Manganese	mg/L	0470	WL	08/20/2007	0001	10.3	-	19.7	1.6		#	0.00075	
Manganese	mg/L	0471	WL	08/20/2007	0001	10.3	-	19.7	2.3		#	0.00075	
Manganese	mg/L	0472	WL	08/20/2007	0001	10.3	-	19.7	1.6		#	0.00075	
Manganese	mg/L	0473	WL	08/20/2007	0001	10.3	-	19.7	2		#	0.00075	
Manganese	mg/L	0474	WL	08/20/2007	0001	10.3	-	19.7	2.7		#	0.00075	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Manganese	mg/L	0475	WL	08/20/2007	0001	10.3	-	19.7	3.5		#	0.00075	
Manganese	mg/L	0476	WL	08/20/2007	0001	10.3	-	19.7	3.6		#	0.00075	
Manganese	mg/L	0477	WL	08/20/2007	0001	10.3	-	19.7	3.5		#	0.00075	
Manganese	mg/L	0478	WL	08/20/2007	0001	9.6	-	23.9	4.6		#	0.0015	
Manganese	mg/L	0479	WL	08/20/2007	0001	9.3	-	23.6	2.9		#	0.00075	
Manganese	mg/L	0479	WL	08/20/2007	0002	9.3	-	23.6	3.3		#	0.015	
Manganese	mg/L	0480	WL	09/05/2007	0001	18	-	18	5		#	0.0015	
Manganese	mg/L	0481	WL	09/05/2007	0001	28	-	28	5		#	0.0015	
Manganese	mg/L	0482	WL	09/05/2007	0001	58	-	58	6.5		#	0.0075	
Manganese	mg/L	0483	WL	09/04/2007	0001	18	-	18	4.3		#	0.0015	
Manganese	mg/L	0484	WL	09/05/2007	0001	28	-	28	5.7		#	0.0038	
Manganese	mg/L	0485	WL	09/04/2007	0001	58	-	58	7.6		#	0.0075	
Manganese	mg/L	0488	WL	08/24/2007	0001	39	-	39	3.6		#	0.00075	
Manganese	mg/L	0493	WL	08/24/2007	0001	54	-	54	6		#	0.0015	
Manganese	mg/L	0493	WL	08/24/2007	0002	54	-	54	5.8		#	0.0015	
Manganese	mg/L	0495	WL	08/23/2007	0001	4.6	-	5.6	0.43		#	0.0003	
Manganese	mg/L	0496	WL	08/23/2007	0001	2.2	-	3.2	0.59		#	0.00015	
Manganese	mg/L	0547	TS	09/06/2007	0001	0	-	0	3.8		#	0.0015	
Manganese	mg/L	0547	TS	09/06/2007	0002	0	-	0	4		#	0.0038	
Manganese	mg/L	0548	TS	09/06/2007	0001	0	-	0	3.4		#	0.0038	
Manganese	mg/L	0552	WL	09/05/2007	0001	18	-	18	5.3		#	0.0015	
Manganese	mg/L	0552	WL	09/05/2007	0002	18	-	18	5.1		#	0.0015	
Manganese	mg/L	0555	WL	08/30/2007	0001	18	-	18	3	J	#	0.00075	
Manganese	mg/L	0557	WL	09/05/2007	0001	40	-	40	5.3		#	0.0015	
Manganese	mg/L	0558	WL	08/30/2007	0001	36	-	36	12	J	#	0.015	
Manganese	mg/L	0559	WL	09/04/2007	0001	19	-	19	3.9		#	0.00075	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)	Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty	
Manganese	mg/L	0560	WL	09/04/2007	0001	31	-	31	9.3	#	0.0075		
Manganese	mg/L	0561	WL	09/04/2007	0001	50	-	50	8.2	#	0.0075		
Manganese	mg/L	0562	WL	08/22/2007	0001	1.3	-	2.3	1.2	#	0.00015		
Manganese	mg/L	0563	WL	08/22/2007	0001	4.6	-	5.6	0.19	#	0.00015		
Manganese	mg/L	0564	WL	08/22/2007	0001	1.2	-	2.2	0.58	#	0.00015		
Manganese	mg/L	0565	WL	08/22/2007	0001	4	-	5	0.69	#	0.00015		
Manganese	mg/L	0570	WL	08/20/2007	0001	15	-	30	5.4	#	0.0015		
Manganese	mg/L	0571	WL	08/20/2007	0001	25	-	40	8.5	#	0.0075		
Manganese	mg/L	0572	WL	08/21/2007	0001	15	-	30	5	#	0.0038		
Manganese	mg/L	0573	WL	08/21/2007	0001	25	-	40	6	#	0.0075		
Manganese	mg/L	0574	WL	08/21/2007	0001	15	-	30	4.9	#	0.0015		
Manganese	mg/L	0577	WL	08/21/2007	0001	25	-	40	5.9	#	0.0075		
Manganese	mg/L	0578	WL	08/21/2007	0001	15	-	30	4.6	#	0.0015		
Manganese	mg/L	0579	WL	08/21/2007	0001	25	-	40	5.5	#	0.0015		
Manganese	mg/L	0581	WL	08/30/2007	0001	18	-	18	2.6	J	#	0.00075	
Manganese	mg/L	0582	WL	08/30/2007	0001	18	-	18	5.5	J	#	0.0015	
Manganese	mg/L	0583	WL	08/30/2007	0001	18	-	18	3.6	J	#	0.00075	
Manganese	mg/L	0584	WL	08/30/2007	0001	18	-	18	4.1	J	#	0.0015	
Manganese	mg/L	0585	WL	08/30/2007	0001	18	-	18	4.5	J	#	0.0015	
Manganese	mg/L	0586	WL	08/28/2007	0001	18	-	18	5.4	#	0.00075		
Manganese	mg/L	0587	WL	08/30/2007	0001	18	-	18	1.8	J	#	0.00075	
Manganese	mg/L	0588	WL	08/30/2007	0001	34	-	34	5.8	J	#	0.0038	
Manganese	mg/L	0588	WL	08/30/2007	0002	34	-	34	5.8	J	#	0.0038	
Manganese	mg/L	0589	WL	08/30/2007	0001	52	-	52	8.2	J	#	0.0075	
Manganese	mg/L	0590	WL	08/21/2007	0001	1	-	2	1.6	#	0.00075		
Manganese	mg/L	0591	WL	08/21/2007	0001	3.9	-	4.9	0.32	#	0.00075		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)	Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Manganese	mg/L	0596	WL	09/04/2007	0001	24	- 24	1.8		#	0.0015	
Manganese	mg/L	0597	WL	08/23/2007	0001	9.3	- 10.3	0.46		#	0.00015	
Manganese	mg/L	0598	WL	08/23/2007	0001	9.1	- 10.1	0.53		#	0.00015	
Manganese	mg/L	0599	WL	08/23/2007	0001	9.4	- 10.4	0.35		#	0.0003	
Manganese	mg/L	0600	WL	08/30/2007	0001	28	- 28	4.4	J	#	0.0015	
Manganese	mg/L	0603	WL	08/21/2007	0001	9.2	- 10.2	0.73		#	0.00075	
Manganese	mg/L	0604	WL	08/21/2007	0001	7.3	- 8.3	0.19		#	0.0003	
Manganese	mg/L	0605	WL	08/21/2007	0001	9.4	- 10.4	0.099		#	0.0003	
Manganese	mg/L	0606	WL	08/22/2007	0001	9.3	- 10.3	0.12		#	0.0003	
Manganese	mg/L	0607	WL	08/22/2007	0001	9.6	- 10.6	0.12		#	0.0003	
Manganese	mg/L	0608	WL	08/22/2007	0001	8.9	- 9.9	0.14		#	0.0003	
Manganese	mg/L	0611	WL	08/22/2007	0001	2.2	- 3.2	1.2		#	0.00015	
Manganese	mg/L	0612	WL	08/22/2007	0001	4.3	- 5.3	0.82		#	0.00015	
Manganese	mg/L	0614	WL	08/21/2007	0001	5.1	- 6.1	0.3		#	0.00075	
Manganese	mg/L	0615	WL	08/21/2007	0001	1.4	- 2.4	0.94		#	0.00015	
Manganese	mg/L	0616	WL	08/21/2007	0001	5.3	- 6.3	0.19		#	0.00015	
Manganese	mg/L	0617	WL	08/23/2007	0001	1.7	- 2.7	0.25		#	0.00015	
Manganese	mg/L	0618	WL	08/23/2007	0001	5.3	- 6.3	0.21		#	0.00015	
Manganese	mg/L	0670	WL	08/21/2007	0001	15.9	- 45.9	0.79		#	0.00015	
Manganese	mg/L	0671	WL	08/21/2007	0001	14.4	- 44.4	0.71		#	0.0003	
Manganese	mg/L	0672	WL	08/21/2007	0001	15	- 45	0.98		#	0.0003	
Manganese	mg/L	0673	WL	08/21/2007	0001	16.3	- 46.3	0.69		#	0.0003	
Manganese	mg/L	0674	WL	08/21/2007	0001	15.1	- 45.1	0.7		#	0.0003	
Manganese	mg/L	0675	WL	08/21/2007	0001	16	- 46	0.73		#	0.0003	
Manganese	mg/L	0676	WL	08/21/2007	0001	15.9	- 45.9	1.1		#	0.0003	
Manganese	mg/L	0677	WL	08/21/2007	0001	15.2	- 45.2	0.66		#	0.0003	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Manganese	mg/L	0678	WL	08/21/2007	0001	16.3	-	46.3	0.68		#	0.0003	
Manganese	mg/L	0679	WL	08/21/2007	0001	15	-	45	0.81		#	0.0003	
Manganese	mg/L	0680	WL	08/28/2007	0001	18	-	18	3.3		#	0.00075	
Manganese	mg/L	0681	WL	08/28/2007	0001	18	-	18	2.2		#	0.00075	
Manganese	mg/L	0682	WL	08/28/2007	0001	28	-	28	4.2		#	0.00075	
Manganese	mg/L	0682	WL	08/28/2007	0002	28	-	28	4.4		#	0.0015	
Manganese	mg/L	0683	WL	08/28/2007	0001	27	-	27	2.3		#	0.00075	
Manganese	mg/L	0684	WL	08/28/2007	0001	18	-	18	0.59	J	#	0.00015	
Manganese	mg/L	0685	WL	08/27/2007	0001	28	-	28	0.12		#	0.00015	
Manganese	mg/L	0686	WL	08/28/2007	0001	18	-	18	3.1	J	#	0.00015	
Manganese	mg/L	0687	WL	08/28/2007	0001	28	-	28	2.2		#	0.00075	
Manganese	mg/L	0688	WL	08/28/2007	0001	39	-	39	4		#	0.00075	
Manganese	mg/L	0689	WL	08/28/2007	0001	54	-	54	6.6		#	0.0038	
Manganese	mg/L	0690	WL	08/29/2007	0001	3.3	-	4.3	4.4		#	0.00075	
Manganese	mg/L	0691	WL	08/29/2007	0001	6.5	-	7.5	2.3		#	0.00075	
Manganese	mg/L	0692	WL	08/29/2007	0001	9.7	-	10.1	2.1		#	0.00075	
Manganese	mg/L	0693	WL	08/29/2007	0001	2	-	3	3.1		#	0.00075	
Manganese	mg/L	0694	WL	08/29/2007	0001	4.3	-	5.3	2.1		#	0.00075	
Manganese	mg/L	0695	WL	08/29/2007	0001	9.3	-	10.3	2.6		#	0.0015	
Manganese	mg/L	0696	WL	08/29/2007	0001	1.3	-	2.3	1		#	0.0003	
Manganese	mg/L	0697	WL	08/29/2007	0001	4.3	-	5.3	2.6		#	0.0015	
Manganese	mg/L	0698	WL	08/30/2007	0001	9.9	-	10.3	0.25	J	#	0.0015	
Manganese	mg/L	0724	WL	08/23/2007	0001	2.4	-	3.4	1.7	J	#	0.00015	
Manganese	mg/L	0725	WL	08/23/2007	0001	4.6	-	5.6	0.38		#	0.00015	
Manganese	mg/L	0726	WL	08/23/2007	0001	9.7	-	10.3	0.36		#	0.00015	
Manganese	mg/L	0730	WL	08/27/2007	0001	18	-	18	0.3		#	0.00015	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Manganese	mg/L	0731	WL	08/27/2007	0001	18	-	18	0.28		#	0.00015	
Manganese	mg/L	0732	WL	08/27/2007	0001	18	-	18	0.24	U	#	0.00015	
Manganese	mg/L	0733	WL	08/24/2007	0001	18	-	18	0.31		#	0.00015	
Manganese	mg/L	0770	WL	08/20/2007	0001	14.9	-	34.8	3.7		#	0.0038	
Manganese	mg/L	0771	WL	08/20/2007	0001	15	-	34.9	3.2		#	0.0038	
Manganese	mg/L	0772	WL	08/20/2007	0001	15.15	-	35.0	1.7		#	0.00075	
Manganese	mg/L	0773	WL	08/20/2007	0001	15.15	-	35.0	3.6		#	0.0038	
Manganese	mg/L	0774	WL	08/20/2007	0001	15.5	-	35.4	3.5		#	0.0038	
Manganese	mg/L	0775	WL	08/20/2007	0001	15.1	-	35	5.2		#	0.0038	
Manganese	mg/L	0776	WL	08/20/2007	0001	15.15	-	35.0	4.1		#	0.0075	
Manganese	mg/L	0777	WL	08/20/2007	0001	15.3	-	35.2	3.2		#	0.0038	
Manganese	mg/L	0778	WL	08/20/2007	0001	15.1	-	35	3.1		#	0.0038	
Manganese	mg/L	0779	WL	08/20/2007	0001	15.66	-	35.5	5.5		#	0.0075	
Manganese	mg/L	0780	WL	09/05/2007	0001	28	-	28	4.7		#	0.0015	
Manganese	mg/L	0781	WL	09/05/2007	0001	46	-	46	7.5		#	0.0075	
Manganese	mg/L	0782	WL	09/05/2007	0001	33	-	33	7		#	0.0075	
Manganese	mg/L	0785	WL	09/05/2007	0001	18	-	18	0.65		#	0.00015	
Manganese	mg/L	0785	WL	09/05/2007	0002	18	-	18	0.64		#	0.00015	
Manganese	mg/L	0786	WL	09/05/2007	0001	28	-	28	2.8		#	0.0038	
Manganese	mg/L	0787	WL	09/05/2007	0001	38	-	38	7.5		#	0.0075	
Manganese	mg/L	0790	WL	09/04/2007	0001	2	-	3	0.47	U	#	0.00015	
Manganese	mg/L	0791	WL	09/04/2007	0001	4.3	-	5.3	0.53		#	0.00015	
Manganese	mg/L	0792	WL	09/04/2007	0001	9.3	-	10.3	0.73		#	0.00075	
Manganese	mg/L	0793	WL	09/04/2007	0001	2	-	3	0.92		#	0.00015	
Manganese	mg/L	0795	WL	09/05/2007	0001	9.3	-	10.3	0.15		#	0.00015	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Manganese	mg/L	SMI-PW01	WL	09/06/2007	0001	40	-	40	5.5		#	0.0015	
Manganese	mg/L	SMI-PW01	WL	09/06/2007	0002	40	-	40	5.5		#	0.0015	
Manganese	mg/L	SMI-PZ1D	BH	09/06/2007	0001	0	-	0	11		#	0.0075	
Manganese	mg/L	SMI-PZ1M	WL	09/06/2007	0001	57	-	57	5.5		#	0.0015	
Manganese	mg/L	SMI-PZ1M	WL	09/06/2007	0002	57	-	57	5.4		#	0.0015	
Manganese	mg/L	SMI-PZ1S	WL	09/06/2007	0001	18	-	18	3.4		#	0.00075	
Oxidation Reduction Potential	mV	0239	SL	08/21/2007	0001	0	-	0	-3		#		
Oxidation Reduction Potential	mV	0243	SL	08/23/2007	0001	0	-	0	50		#		
Oxidation Reduction Potential	mV	0245	SL	08/22/2007	0001	0	-	0	-101		#		
Oxidation Reduction Potential	mV	0259	SL	08/29/2007	0001	0	-	0	-42		#		
Oxidation Reduction Potential	mV	0274	SL	09/04/2007	0001	0	-	0	-60		#		
Oxidation Reduction Potential	mV	0274	SL	09/05/2007	0001	0	-	0	71		#		
Oxidation Reduction Potential	mV	0401	WL	08/30/2007	0001	18	-	18	171		#		
Oxidation Reduction Potential	mV	0403	WL	08/30/2007	0001	18	-	18	121		#		
Oxidation Reduction Potential	mV	0404	WL	08/28/2007	0001	18	-	18	132		#		
Oxidation Reduction Potential	mV	0405	WL	08/24/2007	0001	18	-	18	21		#		
Oxidation Reduction Potential	mV	0407	WL	08/30/2007	0001	18	-	18	-86		#		
Oxidation Reduction Potential	mV	0408	WL	08/30/2007	0001	26	-	26	99		#		
Oxidation Reduction Potential	mV	0470	WL	08/20/2007	0001	10.3	-	19.7	-189		#		
Oxidation Reduction Potential	mV	0471	WL	08/20/2007	0001	10.3	-	19.7	-152		#		
Oxidation Reduction Potential	mV	0472	WL	08/20/2007	0001	10.3	-	19.7	-327		#		
Oxidation Reduction	mV	0473	WL	08/20/2007	0001	10.3	-	19.7	-371		#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
<b>Potential</b>													
Oxidation Reduction Potential	mV	0474	WL	08/20/2007	0001	10.3	-	19.7	-303		#		
Oxidation Reduction Potential	mV	0475	WL	08/20/2007	0001	10.3	-	19.7	-331		#		
Oxidation Reduction Potential	mV	0476	WL	08/20/2007	0001	10.3	-	19.7	-283		#		
Oxidation Reduction Potential	mV	0477	WL	08/20/2007	0001	10.3	-	19.7	-267		#		
Oxidation Reduction Potential	mV	0478	WL	08/20/2007	0001	9.6	-	23.9	-232		#		
Oxidation Reduction Potential	mV	0479	WL	08/20/2007	0001	9.3	-	23.6	-257		#		
Oxidation Reduction Potential	mV	0480	WL	09/05/2007	0001	18	-	18	143		#		
Oxidation Reduction Potential	mV	0481	WL	09/05/2007	0001	28	-	28	153		#		
Oxidation Reduction Potential	mV	0482	WL	09/05/2007	0001	58	-	58	189		#		
Oxidation Reduction Potential	mV	0483	WL	09/04/2007	0001	18	-	18	118		#		
Oxidation Reduction Potential	mV	0484	WL	09/05/2007	0001	28	-	28	128		#		
Oxidation Reduction Potential	mV	0485	WL	09/04/2007	0001	58	-	58	138		#		
Oxidation Reduction Potential	mV	0488	WL	08/24/2007	0001	39	-	39	64		#		
Oxidation Reduction Potential	mV	0493	WL	08/24/2007	0001	54	-	54	94		#		
Oxidation Reduction Potential	mV	0495	WL	08/23/2007	0001	4.6	-	5.6	-86		#		
Oxidation Reduction Potential	mV	0496	WL	08/23/2007	0001	2.2	-	3.2	125		#		
Oxidation Reduction Potential	mV	0547	TS	09/06/2007	0001	0	-	0	238		#		
Oxidation Reduction Potential	mV	0548	TS	09/06/2007	0001	0	-	0	226		#		
Oxidation Reduction Potential	mV	0552	WL	09/05/2007	0001	18	-	18	139		#		
Oxidation Reduction Potential	mV	0555	WL	08/30/2007	0001	18	-	18	69		#		
Oxidation Reduction	mV	0557	WL	09/05/2007	0001	40	-	40	152		#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
<b>Potential</b>													
Oxidation Reduction Potential	mV	0558	WL	08/30/2007	0001	36	-	36	164		#		
Oxidation Reduction Potential	mV	0559	WL	09/04/2007	0001	19	-	19	163		#		
Oxidation Reduction Potential	mV	0560	WL	09/04/2007	0001	31	-	31	151		#		
Oxidation Reduction Potential	mV	0561	WL	09/04/2007	0001	50	-	50	161		#		
Oxidation Reduction Potential	mV	0562	WL	08/22/2007	0001	1.3	-	2.3	-40		#		
Oxidation Reduction Potential	mV	0563	WL	08/22/2007	0001	4.6	-	5.6	14		#		
Oxidation Reduction Potential	mV	0564	WL	08/22/2007	0001	1.2	-	2.2	-98		#		
Oxidation Reduction Potential	mV	0565	WL	08/22/2007	0001	4	-	5	-188		#		
Oxidation Reduction Potential	mV	0570	WL	08/20/2007	0001	15	-	30	-248		#		
Oxidation Reduction Potential	mV	0571	WL	08/20/2007	0001	25	-	40	-216		#		
Oxidation Reduction Potential	mV	0572	WL	08/21/2007	0001	15	-	30	-244		#		
Oxidation Reduction Potential	mV	0573	WL	08/21/2007	0001	25	-	40	-160		#		
Oxidation Reduction Potential	mV	0574	WL	08/21/2007	0001	15	-	30	-179		#		
Oxidation Reduction Potential	mV	0577	WL	08/21/2007	0001	25	-	40	-140		#		
Oxidation Reduction Potential	mV	0578	WL	08/21/2007	0001	15	-	30	-148		#		
Oxidation Reduction Potential	mV	0579	WL	08/21/2007	0001	25	-	40	-194		#		
Oxidation Reduction Potential	mV	0581	WL	08/30/2007	0001	18	-	18	140		#		
Oxidation Reduction Potential	mV	0582	WL	08/30/2007	0001	18	-	18	69		#		
Oxidation Reduction Potential	mV	0583	WL	08/30/2007	0001	18	-	18	135		#		
Oxidation Reduction Potential	mV	0584	WL	08/30/2007	0001	18	-	18	138		#		
Oxidation Reduction	mV	0585	WL	08/30/2007	0001	18	-	18	122		#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
<b>Potential</b>													
Oxidation Reduction Potential	mV	0586	WL	08/28/2007	0001	18	-	18	145		#		
Oxidation Reduction Potential	mV	0587	WL	08/30/2007	0001	18	-	18	53		#		
Oxidation Reduction Potential	mV	0588	WL	08/30/2007	0001	34	-	34	127		#		
Oxidation Reduction Potential	mV	0589	WL	08/30/2007	0001	52	-	52	115		#		
Oxidation Reduction Potential	mV	0590	WL	08/21/2007	0001	1	-	2	147		#		
Oxidation Reduction Potential	mV	0591	WL	08/21/2007	0001	3.9	-	4.9	112		#		
Oxidation Reduction Potential	mV	0596	WL	09/04/2007	0001	24	-	24	121		#		
Oxidation Reduction Potential	mV	0597	WL	08/23/2007	0001	9.3	-	10.3	136		#		
Oxidation Reduction Potential	mV	0598	WL	08/23/2007	0001	9.1	-	10.1	-12		#		
Oxidation Reduction Potential	mV	0599	WL	08/23/2007	0001	9.4	-	10.4	51		#		
Oxidation Reduction Potential	mV	0600	WL	08/30/2007	0001	28	-	28	85		#		
Oxidation Reduction Potential	mV	0603	WL	08/21/2007	0001	9.2	-	10.2	113		#		
Oxidation Reduction Potential	mV	0604	WL	08/21/2007	0001	7.3	-	8.3	106		#		
Oxidation Reduction Potential	mV	0605	WL	08/21/2007	0001	9.4	-	10.4	-58		#		
Oxidation Reduction Potential	mV	0606	WL	08/22/2007	0001	9.3	-	10.3	-126		#		
Oxidation Reduction Potential	mV	0607	WL	08/22/2007	0001	9.6	-	10.6	-251		#		
Oxidation Reduction Potential	mV	0608	WL	08/22/2007	0001	8.9	-	9.9	-104		#		
Oxidation Reduction Potential	mV	0611	WL	08/22/2007	0001	2.2	-	3.2	-65		#		
Oxidation Reduction Potential	mV	0612	WL	08/22/2007	0001	4.3	-	5.3	-66		#		
Oxidation Reduction Potential	mV	0614	WL	08/21/2007	0001	5.1	-	6.1	38		#		
Oxidation Reduction	mV	0615	WL	08/21/2007	0001	1.4	-	2.4	-37		#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
<b>Potential</b>													
Oxidation Reduction Potential	mV	0616	WL	08/21/2007	0001	5.3	-	6.3	-88		#		
Oxidation Reduction Potential	mV	0617	WL	08/23/2007	0001	1.7	-	2.7	35		#		
Oxidation Reduction Potential	mV	0618	WL	08/23/2007	0001	5.3	-	6.3	40		#		
Oxidation Reduction Potential	mV	0670	WL	08/21/2007	0001	15.9	-	45.9	-191		#		
Oxidation Reduction Potential	mV	0671	WL	08/21/2007	0001	14.4	-	44.4	-165		#		
Oxidation Reduction Potential	mV	0672	WL	08/21/2007	0001	15	-	45	-175		#		
Oxidation Reduction Potential	mV	0673	WL	08/21/2007	0001	16.3	-	46.3	-256		#		
Oxidation Reduction Potential	mV	0674	WL	08/21/2007	0001	15.1	-	45.1	-237		#		
Oxidation Reduction Potential	mV	0675	WL	08/21/2007	0001	16	-	46	-195		#		
Oxidation Reduction Potential	mV	0676	WL	08/21/2007	0001	15.9	-	45.9	-188		#		
Oxidation Reduction Potential	mV	0677	WL	08/21/2007	0001	15.2	-	45.2	-155		#		
Oxidation Reduction Potential	mV	0678	WL	08/21/2007	0001	16.3	-	46.3	-215		#		
Oxidation Reduction Potential	mV	0679	WL	08/21/2007	0001	15	-	45	-215		#		
Oxidation Reduction Potential	mV	0680	WL	08/28/2007	0001	18	-	18	137		#		
Oxidation Reduction Potential	mV	0681	WL	08/28/2007	0001	18	-	18	136		#		
Oxidation Reduction Potential	mV	0682	WL	08/28/2007	0001	28	-	28	137		#		
Oxidation Reduction Potential	mV	0683	WL	08/28/2007	0001	27	-	27	112		#		
Oxidation Reduction Potential	mV	0684	WL	08/28/2007	0001	18	-	18	46		#		
Oxidation Reduction Potential	mV	0685	WL	08/27/2007	0001	28	-	28	-37		#		
Oxidation Reduction Potential	mV	0686	WL	08/28/2007	0001	18	-	18	-78		#		
Oxidation Reduction	mV	0687	WL	08/28/2007	0001	28	-	28	127		#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
<b>Potential</b>													
Oxidation Reduction Potential	mV	0688	WL	08/28/2007	0001	39	-	39	113		#		
Oxidation Reduction Potential	mV	0688	WL	08/28/2007	0001	31	-	31	129		#		
Oxidation Reduction Potential	mV	0689	WL	08/28/2007	0001	46	-	46	67		#		
Oxidation Reduction Potential	mV	0689	WL	08/28/2007	0001	54	-	54	71		#		
Oxidation Reduction Potential	mV	0690	WL	08/29/2007	0001	3.3	-	4.3	-144		#		
Oxidation Reduction Potential	mV	0691	WL	08/29/2007	0001	6.5	-	7.5	99		#		
Oxidation Reduction Potential	mV	0692	WL	08/29/2007	0001	9.7	-	10.1	213		#		
Oxidation Reduction Potential	mV	0693	WL	08/29/2007	0001	2	-	3	-45		#		
Oxidation Reduction Potential	mV	0694	WL	08/29/2007	0001	4.3	-	5.3	19		#		
Oxidation Reduction Potential	mV	0695	WL	08/29/2007	0001	9.3	-	10.3	45		#		
Oxidation Reduction Potential	mV	0696	WL	08/29/2007	0001	1.3	-	2.3	36		#		
Oxidation Reduction Potential	mV	0697	WL	08/29/2007	0001	4.3	-	5.3	70		#		
Oxidation Reduction Potential	mV	0698	WL	08/30/2007	0001	9.9	-	10.3	-85		#		
Oxidation Reduction Potential	mV	0724	WL	08/23/2007	0001	2.4	-	3.4	-97		#		
Oxidation Reduction Potential	mV	0725	WL	08/23/2007	0001	4.6	-	5.6	-99		#		
Oxidation Reduction Potential	mV	0726	WL	08/23/2007	0001	9.7	-	10.3	-252		#		
Oxidation Reduction Potential	mV	0730	WL	08/27/2007	0001	18	-	18	18		#		
Oxidation Reduction Potential	mV	0731	WL	08/27/2007	0001	18	-	18	-141		#		
Oxidation Reduction Potential	mV	0732	WL	08/27/2007	0001	18	-	18	-70		#		
Oxidation Reduction Potential	mV	0733	WL	08/24/2007	0001	18	-	18	-4		#		
Oxidation Reduction	mV	0770	WL	08/20/2007	0001	14.9	-	34.8	-13		#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
<b>Potential</b>													
Oxidation Reduction Potential	mV	0771	WL	08/20/2007	0001	15	-	34.9	-65		#		
Oxidation Reduction Potential	mV	0772	WL	08/20/2007	0001	15.15	-	35.0 5	-104		#		
Oxidation Reduction Potential	mV	0773	WL	08/20/2007	0001	15.15	-	35.0 5	-108		#		
Oxidation Reduction Potential	mV	0774	WL	08/20/2007	0001	15.5	-	35.4	-105		#		
Oxidation Reduction Potential	mV	0775	WL	08/20/2007	0001	15.1	-	35	-93		#		
Oxidation Reduction Potential	mV	0776	WL	08/20/2007	0001	15.15	-	35.0 5	-148		#		
Oxidation Reduction Potential	mV	0777	WL	08/20/2007	0001	15.3	-	35.2	-135		#		
Oxidation Reduction Potential	mV	0778	WL	08/20/2007	0001	15.1	-	35	-86		#		
Oxidation Reduction Potential	mV	0779	WL	08/20/2007	0001	15.66	-	35.5 6	-105		#		
Oxidation Reduction Potential	mV	0780	WL	09/05/2007	0001	28	-	28	124		#		
Oxidation Reduction Potential	mV	0781	WL	09/05/2007	0001	46	-	46	167		#		
Oxidation Reduction Potential	mV	0782	WL	09/05/2007	0001	33	-	33	180		#		
Oxidation Reduction Potential	mV	0785	WL	09/05/2007	0001	18	-	18	-99		#		
Oxidation Reduction Potential	mV	0786	WL	09/05/2007	0001	28	-	28	41		#		
Oxidation Reduction Potential	mV	0787	WL	09/05/2007	0001	38	-	38	136		#		
Oxidation Reduction Potential	mV	0790	WL	09/04/2007	0001	2	-	3	-97		#		
Oxidation Reduction Potential	mV	0791	WL	09/04/2007	0001	4.3	-	5.3	-58		#		
Oxidation Reduction Potential	mV	0792	WL	09/04/2007	0001	9.3	-	10.3	-109		#		
Oxidation Reduction Potential	mV	0793	WL	09/04/2007	0001	2	-	3	-140		#		
Oxidation Reduction Potential	mV	0795	WL	09/05/2007	0001	9.3	-	10.3	-52		#		
Oxidation Reduction	mV	SMI-	WL	09/06/2007	0001	40	-	40	202		#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)			Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Potential		PW01												
Oxidation Reduction Potential	mV	SMI-PZ1D	BH	09/06/2007	0001	0	-	0	216			#		
Oxidation Reduction Potential	mV	SMI-PZ1M	WL	09/06/2007	0001	57	-	57	210			#		
Oxidation Reduction Potential	mV	SMI-PZ1S	WL	09/06/2007	0001	18	-	18	203			#		
pH	s.u.	0239	SL	08/21/2007	0001	0	-	0	8.42			#		
pH	s.u.	0243	SL	08/23/2007	0001	0	-	0	8.36			#		
pH	s.u.	0245	SL	08/22/2007	0001	0	-	0	8.09			#		
pH	s.u.	0259	SL	08/29/2007	0001	0	-	0	8.32			#		
pH	s.u.	0274	SL	09/04/2007	0001	0	-	0	8.16			#		
pH	s.u.	0274	SL	09/05/2007	0001	0	-	0	8.08			#		
pH	s.u.	0401	WL	08/30/2007	0001	18	-	18	6.59			#		
pH	s.u.	0403	WL	08/30/2007	0001	18	-	18	6.81			#		
pH	s.u.	0404	WL	08/28/2007	0001	18	-	18	7.02			#		
pH	s.u.	0405	WL	08/24/2007	0001	18	-	18	7.78			#		
pH	s.u.	0407	WL	08/30/2007	0001	18	-	18	7.59			#		
pH	s.u.	0408	WL	08/30/2007	0001	26	-	26	6.84			#		
pH	s.u.	0470	WL	08/20/2007	0001	10.3	-	19.7	7.21			#		
pH	s.u.	0471	WL	08/20/2007	0001	10.3	-	19.7	7.03			#		
pH	s.u.	0472	WL	08/20/2007	0001	10.3	-	19.7	6.67			#		
pH	s.u.	0473	WL	08/20/2007	0001	10.3	-	19.7	6.46			#		
pH	s.u.	0474	WL	08/20/2007	0001	10.3	-	19.7	6.52			#		
pH	s.u.	0475	WL	08/20/2007	0001	10.3	-	19.7	6.61			#		
pH	s.u.	0476	WL	08/20/2007	0001	10.3	-	19.7	6.55			#		
pH	s.u.	0477	WL	08/20/2007	0001	10.3	-	19.7	6.27			#		
pH	s.u.	0478	WL	08/20/2007	0001	9.6	-	23.9	6.33			#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
pH	s.u.	0479	WL	08/20/2007	0001	9.3	-	23.6	6.73		#		
pH	s.u.	0480	WL	09/05/2007	0001	18	-	18	6.95		#		
pH	s.u.	0481	WL	09/05/2007	0001	28	-	28	6.96		#		
pH	s.u.	0482	WL	09/05/2007	0001	58	-	58	6.89		#		
pH	s.u.	0483	WL	09/04/2007	0001	18	-	18	7.01		#		
pH	s.u.	0484	WL	09/05/2007	0001	28	-	28	6.96		#		
pH	s.u.	0485	WL	09/04/2007	0001	58	-	58	6.83		#		
pH	s.u.	0488	WL	08/24/2007	0001	39	-	39	6.96		#		
pH	s.u.	0493	WL	08/24/2007	0001	54	-	54	6.88		#		
pH	s.u.	0495	WL	08/23/2007	0001	4.6	-	5.6	7.42		#		
pH	s.u.	0496	WL	08/23/2007	0001	2.2	-	3.2	7.75		#		
pH	s.u.	0547	TS	09/06/2007	0001	0	-	0	6.92		#		
pH	s.u.	0548	TS	09/06/2007	0001	0	-	0	7.8		#		
pH	s.u.	0552	WL	09/05/2007	0001	18	-	18	6.87		#		
pH	s.u.	0555	WL	08/30/2007	0001	18	-	18	6.66		#		
pH	s.u.	0557	WL	09/05/2007	0001	40	-	40	6.98		#		
pH	s.u.	0558	WL	08/30/2007	0001	36	-	36	6.77		#		
pH	s.u.	0559	WL	09/04/2007	0001	19	-	19	6.97		#		
pH	s.u.	0560	WL	09/04/2007	0001	31	-	31	6.73		#		
pH	s.u.	0561	WL	09/04/2007	0001	50	-	50	6.71		#		
pH	s.u.	0562	WL	08/22/2007	0001	1.3	-	2.3	7.39		#		
pH	s.u.	0563	WL	08/22/2007	0001	4.6	-	5.6	8.41		#		
pH	s.u.	0564	WL	08/22/2007	0001	1.2	-	2.2	7.59		#		
pH	s.u.	0565	WL	08/22/2007	0001	4	-	5	7.54		#		
pH	s.u.	0570	WL	08/20/2007	0001	15	-	30	6.66		#		
pH	s.u.	0571	WL	08/20/2007	0001	25	-	40	6.4		#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)			Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
pH	s.u.	0572	WL	08/21/2007	0001	15	-	30	6.95			#		
pH	s.u.	0573	WL	08/21/2007	0001	25	-	40	6.83			#		
pH	s.u.	0574	WL	08/21/2007	0001	15	-	30	6.96			#		
pH	s.u.	0577	WL	08/21/2007	0001	25	-	40	6.83			#		
pH	s.u.	0578	WL	08/21/2007	0001	15	-	30	7.1			#		
pH	s.u.	0579	WL	08/21/2007	0001	25	-	40	7.21			#		
pH	s.u.	0581	WL	08/30/2007	0001	18	-	18	6.91			#		
pH	s.u.	0582	WL	08/30/2007	0001	18	-	18	6.53			#		
pH	s.u.	0583	WL	08/30/2007	0001	18	-	18	6.83			#		
pH	s.u.	0584	WL	08/30/2007	0001	18	-	18	6.82			#		
pH	s.u.	0585	WL	08/30/2007	0001	18	-	18	6.79			#		
pH	s.u.	0586	WL	08/28/2007	0001	18	-	18	6.75			#		
pH	s.u.	0587	WL	08/30/2007	0001	18	-	18	6.61			#		
pH	s.u.	0588	WL	08/30/2007	0001	34	-	34	6.65			#		
pH	s.u.	0589	WL	08/30/2007	0001	52	-	52	6.53			#		
pH	s.u.	0590	WL	08/21/2007	0001	1	-	2	8.35			#		
pH	s.u.	0591	WL	08/21/2007	0001	3.9	-	4.9	7.87			#		
pH	s.u.	0596	WL	09/04/2007	0001	24	-	24	7.43			#		
pH	s.u.	0597	WL	08/23/2007	0001	9.3	-	10.3	7.79			#		
pH	s.u.	0598	WL	08/23/2007	0001	9.1	-	10.1	7.99			#		
pH	s.u.	0599	WL	08/23/2007	0001	9.4	-	10.4	7.98			#		
pH	s.u.	0600	WL	08/30/2007	0001	28	-	28	6.72			#		
pH	s.u.	0603	WL	08/21/2007	0001	9.2	-	10.2	7.64			#		
pH	s.u.	0604	WL	08/21/2007	0001	7.3	-	8.3	8.97			#		
pH	s.u.	0605	WL	08/21/2007	0001	9.4	-	10.4	8.28			#		
pH	s.u.	0606	WL	08/22/2007	0001	9.3	-	10.3	8.42			#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
pH	s.u.	0607	WL	08/22/2007	0001	9.6	-	10.6	8.71		#		
pH	s.u.	0608	WL	08/22/2007	0001	8.9	-	9.9	8.2		#		
pH	s.u.	0611	WL	08/22/2007	0001	2.2	-	3.2	7.49		#		
pH	s.u.	0612	WL	08/22/2007	0001	4.3	-	5.3	7.42		#		
pH	s.u.	0614	WL	08/21/2007	0001	5.1	-	6.1	9.03		#		
pH	s.u.	0615	WL	08/21/2007	0001	1.4	-	2.4	8		#		
pH	s.u.	0616	WL	08/21/2007	0001	5.3	-	6.3	8.37		#		
pH	s.u.	0617	WL	08/23/2007	0001	1.7	-	2.7	8.37		#		
pH	s.u.	0618	WL	08/23/2007	0001	5.3	-	6.3	7.95		#		
pH	s.u.	0670	WL	08/21/2007	0001	15.9	-	45.9	7.8		#		
pH	s.u.	0671	WL	08/21/2007	0001	14.4	-	44.4	7.43		#		
pH	s.u.	0672	WL	08/21/2007	0001	15	-	45	7.55		#		
pH	s.u.	0673	WL	08/21/2007	0001	16.3	-	46.3	7.64		#		
pH	s.u.	0674	WL	08/21/2007	0001	15.1	-	45.1	7.78		#		
pH	s.u.	0675	WL	08/21/2007	0001	16	-	46	7.77		#		
pH	s.u.	0676	WL	08/21/2007	0001	15.9	-	45.9	7.91		#		
pH	s.u.	0677	WL	08/21/2007	0001	15.2	-	45.2	7.92		#		
pH	s.u.	0678	WL	08/21/2007	0001	16.3	-	46.3	7.95		#		
pH	s.u.	0679	WL	08/21/2007	0001	15	-	45	7.74		#		
pH	s.u.	0680	WL	08/28/2007	0001	18	-	18	6.8		#		
pH	s.u.	0681	WL	08/28/2007	0001	18	-	18	6.77		#		
pH	s.u.	0682	WL	08/28/2007	0001	28	-	28	6.81		#		
pH	s.u.	0683	WL	08/28/2007	0001	27	-	27	7.03		#		
pH	s.u.	0684	WL	08/28/2007	0001	18	-	18	6.85		#		
pH	s.u.	0685	WL	08/27/2007	0001	28	-	28	8.26		#		
pH	s.u.	0686	WL	08/28/2007	0001	18	-	18	6.92		#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
pH	s.u.	0687	WL	08/28/2007	0001	28	-	28	6.97		#		
pH	s.u.	0688	WL	08/28/2007	0001	31	-	31	6.81		#		
pH	s.u.	0688	WL	08/28/2007	0001	39	-	39	6.81		#		
pH	s.u.	0689	WL	08/28/2007	0001	54	-	54	6.84		#		
pH	s.u.	0689	WL	08/28/2007	0001	46	-	46	6.96		#		
pH	s.u.	0690	WL	08/29/2007	0001	3.3	-	4.3	9.51		#		
pH	s.u.	0691	WL	08/29/2007	0001	6.5	-	7.5	7.99		#		
pH	s.u.	0692	WL	08/29/2007	0001	9.7	-	10.1	7.3		#		
pH	s.u.	0693	WL	08/29/2007	0001	2	-	3	8.14		#		
pH	s.u.	0694	WL	08/29/2007	0001	4.3	-	5.3	7.47		#		
pH	s.u.	0695	WL	08/29/2007	0001	9.3	-	10.3	7.21		#		
pH	s.u.	0696	WL	08/29/2007	0001	1.3	-	2.3	7.5		#		
pH	s.u.	0697	WL	08/29/2007	0001	4.3	-	5.3	7.09		#		
pH	s.u.	0698	WL	08/30/2007	0001	9.9	-	10.3	8.67		#		
pH	s.u.	0724	WL	08/23/2007	0001	2.4	-	3.4	7.01		#		
pH	s.u.	0725	WL	08/23/2007	0001	4.6	-	5.6	7.31		#		
pH	s.u.	0726	WL	08/23/2007	0001	9.7	-	10.3	8.37		#		
pH	s.u.	0730	WL	08/27/2007	0001	18	-	18	7.56		#		
pH	s.u.	0731	WL	08/27/2007	0001	18	-	18	7.52		#		
pH	s.u.	0732	WL	08/27/2007	0001	18	-	18	7.46		#		
pH	s.u.	0733	WL	08/24/2007	0001	18	-	18	7.42		#		
pH	s.u.	0770	WL	08/20/2007	0001	14.9	-	34.8	6.77		#		
pH	s.u.	0771	WL	08/20/2007	0001	15	-	34.9	6.81		#		
pH	s.u.	0772	WL	08/20/2007	0001	15.15	-	35.0 5	7.15		#		
pH	s.u.	0773	WL	08/20/2007	0001	15.15	-	35.0 5	6.77		#		
pH	s.u.	0774	WL	08/20/2007	0001	15.5	-	35.4	7.14		#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
pH	s.u.	0775	WL	08/20/2007	0001	15.1	-	35	7.02		#		
pH	s.u.	0776	WL	08/20/2007	0001	15.15	-	35.0 5	7.18		#		
pH	s.u.	0777	WL	08/20/2007	0001	15.3	-	35.2	7.1		#		
pH	s.u.	0778	WL	08/20/2007	0001	15.1	-	35	7.16		#		
pH	s.u.	0779	WL	08/20/2007	0001	15.66	-	35.5 6	7.09		#		
pH	s.u.	0780	WL	09/05/2007	0001	28	-	28	6.94		#		
pH	s.u.	0781	WL	09/05/2007	0001	46	-	46	7		#		
pH	s.u.	0782	WL	09/05/2007	0001	33	-	33	6.94		#		
pH	s.u.	0785	WL	09/05/2007	0001	18	-	18	7.68		#		
pH	s.u.	0786	WL	09/05/2007	0001	28	-	28	7.25		#		
pH	s.u.	0787	WL	09/05/2007	0001	38	-	38	6.9		#		
pH	s.u.	0790	WL	09/04/2007	0001	2	-	3	7.68		#		
pH	s.u.	0791	WL	09/04/2007	0001	4.3	-	5.3	7.52		#		
pH	s.u.	0792	WL	09/04/2007	0001	9.3	-	10.3	7.91		#		
pH	s.u.	0793	WL	09/04/2007	0001	2	-	3	7.79		#		
pH	s.u.	0795	WL	09/05/2007	0001	9.3	-	10.3	9.21		#		
pH	s.u.	SMI-PW01	WL	09/06/2007	0001	40	-	40	6.77		#		
pH	s.u.	SMI-PZ1D	BH	09/06/2007	0001	0	-	0	6.66		#		
pH	s.u.	SMI-PZ1M	WL	09/06/2007	0001	57	-	57	6.93		#		
pH	s.u.	SMI-PZ1S	WL	09/06/2007	0001	18	-	18	6.93		#		
Selenium	mg/L	0239	SL	08/21/2007	0001	0	-	0	0.0035		#	4.9E-005	
Selenium	mg/L	0243	SL	08/23/2007	0001	0	-	0	0.0041		#	4.9E-005	
Selenium	mg/L	0245	SL	08/22/2007	0001	0	-	0	0.0036		#	4.9E-005	
Selenium	mg/L	0259	SL	08/29/2007	0001	0	-	0	0.0051	J	#	4.9E-005	
Selenium	mg/L	0274	SL	09/04/2007	0001	0	-	0	0.003		#	4.9E-005	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Selenium	mg/L	0274	SL	09/05/2007	0001	0	-	0	0.003		#	4.9E-005	
Selenium	mg/L	0401	WL	08/30/2007	0001	18	-	18	0.011	J	#	9.7E-005	
Selenium	mg/L	0403	WL	08/30/2007	0001	18	-	18	0.0031	J	#	9.7E-005	
Selenium	mg/L	0404	WL	08/28/2007	0001	18	-	18	0.012	J	#	4.9E-005	
Selenium	mg/L	0405	WL	08/24/2007	0001	18	-	18	0.008		#	4.9E-005	
Selenium	mg/L	0407	WL	08/30/2007	0001	18	-	18	0.00015	J	#	4.9E-005	
Selenium	mg/L	0408	WL	08/30/2007	0001	26	-	26	0.0056	J	#	9.7E-005	
Selenium	mg/L	0470	WL	08/20/2007	0001	10.3	-	19.7	0.0012		#	4.9E-005	
Selenium	mg/L	0471	WL	08/20/2007	0001	10.3	-	19.7	0.0017		#	4.9E-005	
Selenium	mg/L	0472	WL	08/20/2007	0001	10.3	-	19.7	0.0014		#	4.9E-005	
Selenium	mg/L	0473	WL	08/20/2007	0001	10.3	-	19.7	0.0018		#	4.9E-005	
Selenium	mg/L	0474	WL	08/20/2007	0001	10.3	-	19.7	0.002		#	4.9E-005	
Selenium	mg/L	0475	WL	08/20/2007	0001	10.3	-	19.7	0.0022		#	4.9E-005	
Selenium	mg/L	0476	WL	08/20/2007	0001	10.3	-	19.7	0.0032		#	4.9E-005	
Selenium	mg/L	0477	WL	08/20/2007	0001	10.3	-	19.7	0.0045	U	#	4.9E-005	
Selenium	mg/L	0478	WL	08/20/2007	0001	9.6	-	23.9	0.004		#	9.7E-005	
Selenium	mg/L	0479	WL	08/20/2007	0001	9.3	-	23.6	0.0042		#	4.9E-005	
Selenium	mg/L	0479	WL	08/20/2007	0002	9.3	-	23.6	0.0039		#	9.7E-005	
Selenium	mg/L	0480	WL	09/05/2007	0001	18	-	18	0.0035		#	9.7E-005	
Selenium	mg/L	0481	WL	09/05/2007	0001	28	-	28	0.0046		#	9.7E-005	
Selenium	mg/L	0482	WL	09/05/2007	0001	58	-	58	0.0038		#	0.00049	
Selenium	mg/L	0483	WL	09/04/2007	0001	18	-	18	0.0023		#	9.7E-005	
Selenium	mg/L	0484	WL	09/05/2007	0001	28	-	28	0.0032		#	0.00024	
Selenium	mg/L	0485	WL	09/04/2007	0001	58	-	58	0.0035		#	0.00049	
Selenium	mg/L	0488	WL	08/24/2007	0001	39	-	39	0.0085		#	9.7E-005	
Selenium	mg/L	0493	WL	08/24/2007	0001	54	-	54	0.0095		#	9.7E-005	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Selenium	mg/L	0493	WL	08/24/2007	0002	54	-	54	0.011		#	4.9E-005	
Selenium	mg/L	0495	WL	08/23/2007	0001	4.6	-	5.6	0.019		#	0.00024	
Selenium	mg/L	0496	WL	08/23/2007	0001	2.2	-	3.2	0.0024		#	4.9E-005	
Selenium	mg/L	0547	TS	09/06/2007	0001	0	-	0	0.0043		#	9.7E-005	
Selenium	mg/L	0547	TS	09/06/2007	0002	0	-	0	0.0044		#	9.7E-005	
Selenium	mg/L	0548	TS	09/06/2007	0001	0	-	0	0.0034		#	0.00024	
Selenium	mg/L	0552	WL	09/05/2007	0001	18	-	18	0.0019		#	9.7E-005	
Selenium	mg/L	0552	WL	09/05/2007	0002	18	-	18	0.002		#	9.7E-005	
Selenium	mg/L	0555	WL	08/30/2007	0001	18	-	18	0.0088	J	#	4.9E-005	
Selenium	mg/L	0557	WL	09/05/2007	0001	40	-	40	0.0042		#	9.7E-005	
Selenium	mg/L	0558	WL	08/30/2007	0001	36	-	36	0.0019	J	#	0.00049	
Selenium	mg/L	0559	WL	09/04/2007	0001	19	-	19	0.0016		#	4.9E-005	
Selenium	mg/L	0560	WL	09/04/2007	0001	31	-	31	0.0043		#	0.00049	
Selenium	mg/L	0561	WL	09/04/2007	0001	50	-	50	0.0041		#	0.00049	
Selenium	mg/L	0562	WL	08/22/2007	0001	1.3	-	2.3	0.00011		#	4.9E-005	
Selenium	mg/L	0563	WL	08/22/2007	0001	4.6	-	5.6	0.00015		#	4.9E-005	
Selenium	mg/L	0564	WL	08/22/2007	0001	1.2	-	2.2	9.5E-005	B	#	4.9E-005	
Selenium	mg/L	0565	WL	08/22/2007	0001	4	-	5	0.00011		#	4.9E-005	
Selenium	mg/L	0570	WL	08/20/2007	0001	15	-	30	0.0036		#	9.7E-005	
Selenium	mg/L	0571	WL	08/20/2007	0001	25	-	40	0.0045		#	0.00049	
Selenium	mg/L	0572	WL	08/21/2007	0001	15	-	30	0.0049		#	9.7E-005	
Selenium	mg/L	0573	WL	08/21/2007	0001	25	-	40	0.0046		#	0.00024	
Selenium	mg/L	0574	WL	08/21/2007	0001	15	-	30	0.0064		#	9.7E-005	
Selenium	mg/L	0577	WL	08/21/2007	0001	25	-	40	0.0044		#	0.00024	
Selenium	mg/L	0578	WL	08/21/2007	0001	15	-	30	0.0078		#	9.7E-005	
Selenium	mg/L	0579	WL	08/21/2007	0001	25	-	40	0.008		#	9.7E-005	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)	Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Selenium	mg/L	0581	WL	08/30/2007	0001	18	- 18	0.0046	J	#	4.9E-005	
Selenium	mg/L	0582	WL	08/30/2007	0001	18	- 18	0.0039	J	#	9.7E-005	
Selenium	mg/L	0583	WL	08/30/2007	0001	18	- 18	0.0075	J	#	4.9E-005	
Selenium	mg/L	0584	WL	08/30/2007	0001	18	- 18	0.0065	J	#	9.7E-005	
Selenium	mg/L	0585	WL	08/30/2007	0001	18	- 18	0.0094	J	#	9.7E-005	
Selenium	mg/L	0586	WL	08/28/2007	0001	18	- 18	0.013	J	#	9.7E-005	
Selenium	mg/L	0587	WL	08/30/2007	0001	18	- 18	0.0088	J	#	4.9E-005	
Selenium	mg/L	0588	WL	08/30/2007	0001	34	- 34	0.0049	J	#	0.00024	
Selenium	mg/L	0588	WL	08/30/2007	0002	34	- 34	0.0049	J	#	0.00024	
Selenium	mg/L	0589	WL	08/30/2007	0001	52	- 52	0.0019	J	#	0.00049	
Selenium	mg/L	0590	WL	08/21/2007	0001	1	- 2	0.0022		#	4.9E-005	
Selenium	mg/L	0591	WL	08/21/2007	0001	3.9	- 4.9	0.0082		#	4.9E-005	
Selenium	mg/L	0596	WL	09/04/2007	0001	24	- 24	0.0035		#	9.7E-005	
Selenium	mg/L	0597	WL	08/23/2007	0001	9.3	- 10.3	0.0074		#	4.9E-005	
Selenium	mg/L	0598	WL	08/23/2007	0001	9.1	- 10.1	0.0089		#	4.9E-005	
Selenium	mg/L	0599	WL	08/23/2007	0001	9.4	- 10.4	0.015		#	4.9E-005	
Selenium	mg/L	0600	WL	08/30/2007	0001	28	- 28	0.004	J	#	9.7E-005	
Selenium	mg/L	0603	WL	08/21/2007	0001	9.2	- 10.2	0.011		#	4.9E-005	
Selenium	mg/L	0604	WL	08/21/2007	0001	7.3	- 8.3	0.0021		#	4.9E-005	
Selenium	mg/L	0605	WL	08/21/2007	0001	9.4	- 10.4	0.007		#	4.9E-005	
Selenium	mg/L	0606	WL	08/22/2007	0001	9.3	- 10.3	0.0096		#	4.9E-005	
Selenium	mg/L	0607	WL	08/22/2007	0001	9.6	- 10.6	0.00062		#	4.9E-005	
Selenium	mg/L	0608	WL	08/22/2007	0001	8.9	- 9.9	0.00023		#	4.9E-005	
Selenium	mg/L	0611	WL	08/22/2007	0001	2.2	- 3.2	9.9E-005	B	#	4.9E-005	
Selenium	mg/L	0612	WL	08/22/2007	0001	4.3	- 5.3	0.00013		#	4.9E-005	
Selenium	mg/L	0614	WL	08/21/2007	0001	5.1	- 6.1	0.0033		#	4.9E-005	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)	Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Selenium	mg/L	0615	WL	08/21/2007	0001	1.4	-	2.4	0.00012	#	4.9E-005	
Selenium	mg/L	0616	WL	08/21/2007	0001	5.3	-	6.3	0.0059	#	4.9E-005	
Selenium	mg/L	0617	WL	08/23/2007	0001	1.7	-	2.7	0.013	#	4.9E-005	
Selenium	mg/L	0618	WL	08/23/2007	0001	5.3	-	6.3	0.019	#	0.00024	
Selenium	mg/L	0670	WL	08/21/2007	0001	15.9	-	45.9	0.0075	#	4.9E-005	
Selenium	mg/L	0671	WL	08/21/2007	0001	14.4	-	44.4	0.0073	#	4.9E-005	
Selenium	mg/L	0672	WL	08/21/2007	0001	15	-	45	0.0076	#	4.9E-005	
Selenium	mg/L	0673	WL	08/21/2007	0001	16.3	-	46.3	0.0073	#	4.9E-005	
Selenium	mg/L	0674	WL	08/21/2007	0001	15.1	-	45.1	0.0073	#	4.9E-005	
Selenium	mg/L	0675	WL	08/21/2007	0001	16	-	46	0.0075	#	4.9E-005	
Selenium	mg/L	0676	WL	08/21/2007	0001	15.9	-	45.9	0.0075	#	4.9E-005	
Selenium	mg/L	0677	WL	08/21/2007	0001	15.2	-	45.2	0.0056	#	4.9E-005	
Selenium	mg/L	0678	WL	08/21/2007	0001	16.3	-	46.3	0.006	#	4.9E-005	
Selenium	mg/L	0679	WL	08/21/2007	0001	15	-	45	0.0074	#	4.9E-005	
Selenium	mg/L	0680	WL	08/28/2007	0001	18	-	18	0.015	J	#	4.9E-005
Selenium	mg/L	0681	WL	08/28/2007	0001	18	-	18	0.017	J	#	4.9E-005
Selenium	mg/L	0682	WL	08/28/2007	0001	28	-	28	0.014	J	#	9.7E-005
Selenium	mg/L	0682	WL	08/28/2007	0002	28	-	28	0.013	J	#	9.7E-005
Selenium	mg/L	0683	WL	08/28/2007	0001	27	-	27	0.013	J	#	4.9E-005
Selenium	mg/L	0684	WL	08/28/2007	0001	18	-	18	0.0029	J	#	4.9E-005
Selenium	mg/L	0685	WL	08/27/2007	0001	28	-	28	0.011	J	#	4.9E-005
Selenium	mg/L	0686	WL	08/28/2007	0001	18	-	18	0.0014	J	#	4.9E-005
Selenium	mg/L	0687	WL	08/28/2007	0001	28	-	28	0.012	J	#	4.9E-005
Selenium	mg/L	0688	WL	08/28/2007	0001	39	-	39	0.0082	J	#	9.7E-005
Selenium	mg/L	0689	WL	08/28/2007	0001	54	-	54	0.0055	J	#	0.00024
Selenium	mg/L	0690	WL	08/29/2007	0001	3.3	-	4.3	0.0036	J	#	4.9E-005

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Selenium	mg/L	0691	WL	08/29/2007	0001	6.5	-	7.5	0.0069	J	#	4.9E-005	
Selenium	mg/L	0692	WL	08/29/2007	0001	9.7	-	10.1	0.0076	J	#	4.9E-005	
Selenium	mg/L	0693	WL	08/29/2007	0001	2	-	3	0.0032	J	#	4.9E-005	
Selenium	mg/L	0694	WL	08/29/2007	0001	4.3	-	5.3	0.0088	J	#	4.9E-005	
Selenium	mg/L	0695	WL	08/29/2007	0001	9.3	-	10.3	0.0075	J	#	9.7E-005	
Selenium	mg/L	0696	WL	08/29/2007	0001	1.3	-	2.3	0.0043	J	#	4.9E-005	
Selenium	mg/L	0697	WL	08/29/2007	0001	4.3	-	5.3	0.011	J	#	9.7E-005	
Selenium	mg/L	0698	WL	08/30/2007	0001	9.9	-	10.3	0.0015	J	#	9.7E-005	
Selenium	mg/L	0724	WL	08/23/2007	0001	2.4	-	3.4	0.0042	#		4.9E-005	
Selenium	mg/L	0725	WL	08/23/2007	0001	4.6	-	5.6	0.0019	#		4.9E-005	
Selenium	mg/L	0726	WL	08/23/2007	0001	9.7	-	10.3	0.00052	#		4.9E-005	
Selenium	mg/L	0730	WL	08/27/2007	0001	18	-	18	0.0041	J	#	4.9E-005	
Selenium	mg/L	0731	WL	08/27/2007	0001	18	-	18	0.0014	J	#	4.9E-005	
Selenium	mg/L	0732	WL	08/27/2007	0001	18	-	18	0.0043	J	#	4.9E-005	
Selenium	mg/L	0733	WL	08/24/2007	0001	18	-	18	0.0053	#		4.9E-005	
Selenium	mg/L	0770	WL	08/20/2007	0001	14.9	-	34.8	0.00061	#		0.00015	
Selenium	mg/L	0771	WL	08/20/2007	0001	15	-	34.9	0.00089	#		4.9E-005	
Selenium	mg/L	0772	WL	08/20/2007	0001	15.15	-	35.0 5	0.00065	#		4.9E-005	
Selenium	mg/L	0773	WL	08/20/2007	0001	15.15	-	35.0 5	0.00056	#		0.00015	
Selenium	mg/L	0774	WL	08/20/2007	0001	15.5	-	35.4	0.00068	#		0.00015	
Selenium	mg/L	0775	WL	08/20/2007	0001	15.1	-	35	0.0007	#		0.00024	
Selenium	mg/L	0776	WL	08/20/2007	0001	15.15	-	35.0 5	0.00063	#		0.00024	
Selenium	mg/L	0777	WL	08/20/2007	0001	15.3	-	35.2	0.00065	#		0.00015	
Selenium	mg/L	0778	WL	08/20/2007	0001	15.1	-	35	0.00076	#		0.00015	
Selenium	mg/L	0779	WL	08/20/2007	0001	15.66	-	35.5 6	0.00074	B	#	0.00049	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Selenium	mg/L	0780	WL	09/05/2007	0001	28	-	28	0.0013		#	9.7E-005	
Selenium	mg/L	0781	WL	09/05/2007	0001	46	-	46	0.0062		#	0.00049	
Selenium	mg/L	0782	WL	09/05/2007	0001	33	-	33	0.003		#	0.00049	
Selenium	mg/L	0785	WL	09/05/2007	0001	18	-	18	7.E-005	B	UJ	#	4.9E-005
Selenium	mg/L	0785	WL	09/05/2007	0002	18	-	18	7.3E-005	B	UJ	#	4.9E-005
Selenium	mg/L	0786	WL	09/05/2007	0001	28	-	28	0.00055		#	0.00024	
Selenium	mg/L	0787	WL	09/05/2007	0001	38	-	38	0.0026		#	0.00049	
Selenium	mg/L	0790	WL	09/04/2007	0001	2	-	3	0.00012		UJ	#	4.9E-005
Selenium	mg/L	0791	WL	09/04/2007	0001	4.3	-	5.3	0.00026		#	4.9E-005	
Selenium	mg/L	0792	WL	09/04/2007	0001	9.3	-	10.3	0.00054		#	4.9E-005	
Selenium	mg/L	0793	WL	09/04/2007	0001	2	-	3	6.4E-005	B	UJ	#	4.9E-005
Selenium	mg/L	0795	WL	09/05/2007	0001	9.3	-	10.3	0.0016		#	9.7E-005	
Selenium	mg/L	SMI-PW01	WL	09/06/2007	0001	40	-	40	0.022		#	9.7E-005	
Selenium	mg/L	SMI-PW01	WL	09/06/2007	0002	40	-	40	0.024		#	9.7E-005	
Selenium	mg/L	SMI-PZ1D	BH	09/06/2007	0001	0	-	0	0.0035		#	0.00024	
Selenium	mg/L	SMI-PZ1M	WL	09/06/2007	0001	57	-	57	0.008		#	9.7E-005	
Selenium	mg/L	SMI-PZ1M	WL	09/06/2007	0002	57	-	57	0.0082		#	9.7E-005	
Selenium	mg/L	SMI-PZ1S	WL	09/06/2007	0001	18	-	18	0.019		#	4.9E-005	
Specific Conductance	umhos/cm	0239	SL	08/21/2007	0001	0	-	0	1142		#		
Specific Conductance	umhos/cm	0243	SL	08/23/2007	0001	0	-	0	1325		#		
Specific Conductance	umhos/cm	0245	SL	08/22/2007	0001	0	-	0	1152		#		
Specific Conductance	umhos/cm	0259	SL	08/29/2007	0001	0	-	0	2204		#		
Specific Conductance	umhos/cm	0274	SL	09/04/2007	0001	0	-	0	1153		#		
Specific Conductance	umhos/cm	0274	SL	09/05/2007	0001	0	-	0	1274		#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Specific Conductance	umhos /cm	0401	WL	08/30/2007	0001	18	-	18	15070		#		
Specific Conductance	umhos /cm	0403	WL	08/30/2007	0001	18	-	18	15151		#		
Specific Conductance	umhos /cm	0404	WL	08/28/2007	0001	18	-	18	9891		#		
Specific Conductance	umhos /cm	0405	WL	08/24/2007	0001	18	-	18	1234		#		
Specific Conductance	umhos /cm	0407	WL	08/30/2007	0001	18	-	18	1277		#		
Specific Conductance	umhos /cm	0408	WL	08/30/2007	0001	26	-	26	18710		#		
Specific Conductance	umhos /cm	0470	WL	08/20/2007	0001	10.3	-	19.7	9444		#		
Specific Conductance	umhos /cm	0471	WL	08/20/2007	0001	10.3	-	19.7	12040		#		
Specific Conductance	umhos /cm	0472	WL	08/20/2007	0001	10.3	-	19.7	7735		#		
Specific Conductance	umhos /cm	0473	WL	08/20/2007	0001	10.3	-	19.7	8401		#		
Specific Conductance	umhos /cm	0474	WL	08/20/2007	0001	10.3	-	19.7	11308		#		
Specific Conductance	umhos /cm	0475	WL	08/20/2007	0001	10.3	-	19.7	11674		#		
Specific Conductance	umhos /cm	0476	WL	08/20/2007	0001	10.3	-	19.7	12857		#		
Specific Conductance	umhos /cm	0477	WL	08/20/2007	0001	10.3	-	19.7	13302		#		
Specific Conductance	umhos /cm	0478	WL	08/20/2007	0001	9.6	-	23.9	24054		#		
Specific Conductance	umhos /cm	0479	WL	08/20/2007	0001	9.3	-	23.6	13047		#		
Specific Conductance	umhos /cm	0480	WL	09/05/2007	0001	18	-	18	24450		#		
Specific Conductance	umhos /cm	0481	WL	09/05/2007	0001	28	-	28	24183		#		
Specific Conductance	umhos /cm	0482	WL	09/05/2007	0001	58	-	58	110751		#		
Specific Conductance	umhos /cm	0483	WL	09/04/2007	0001	18	-	18	17436		#		
Specific Conductance	umhos /cm	0484	WL	09/05/2007	0001	28	-	28	29580		#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Specific Conductance	umhos /cm	0485	WL	09/04/2007	0001	58	-	58	113477	#			
Specific Conductance	umhos /cm	0488	WL	08/24/2007	0001	39	-	39	15260	#			
Specific Conductance	umhos /cm	0493	WL	08/24/2007	0001	54	-	54	19180	#			
Specific Conductance	umhos /cm	0495	WL	08/23/2007	0001	4.6	-	5.6	4798	#			
Specific Conductance	umhos /cm	0496	WL	08/23/2007	0001	2.2	-	3.2	4272	#			
Specific Conductance	umhos /cm	0547	TS	09/06/2007	0001	0	-	0	28811	#			
Specific Conductance	umhos /cm	0548	TS	09/06/2007	0001	0	-	0	32572	#			
Specific Conductance	umhos /cm	0552	WL	09/05/2007	0001	18	-	18	17002	#			
Specific Conductance	umhos /cm	0555	WL	08/30/2007	0001	18	-	18	11960	#			
Specific Conductance	umhos /cm	0557	WL	09/05/2007	0001	40	-	40	27102	#			
Specific Conductance	umhos /cm	0558	WL	08/30/2007	0001	36	-	36	91349	#			
Specific Conductance	umhos /cm	0559	WL	09/04/2007	0001	19	-	19	11465	#			
Specific Conductance	umhos /cm	0560	WL	09/04/2007	0001	31	-	31	94360	#			
Specific Conductance	umhos /cm	0561	WL	09/04/2007	0001	50	-	50	109022	#			
Specific Conductance	umhos /cm	0562	WL	08/22/2007	0001	1.3	-	2.3	1310	#			
Specific Conductance	umhos /cm	0563	WL	08/22/2007	0001	4.6	-	5.6	1616	#			
Specific Conductance	umhos /cm	0564	WL	08/22/2007	0001	1.2	-	2.2	1141	#			
Specific Conductance	umhos /cm	0565	WL	08/22/2007	0001	4	-	5	1184	#			
Specific Conductance	umhos /cm	0570	WL	08/20/2007	0001	15	-	30	25661	#			
Specific Conductance	umhos /cm	0571	WL	08/20/2007	0001	25	-	40	96817	#			
Specific Conductance	umhos /cm	0572	WL	08/21/2007	0001	15	-	30	26732	#			

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Specific Conductance	umhos /cm	0573	WL	08/21/2007	0001	25	-	40	43572	#			
Specific Conductance	umhos /cm	0574	WL	08/21/2007	0001	15	-	30	22425	#			
Specific Conductance	umhos /cm	0577	WL	08/21/2007	0001	25	-	40	41560	#			
Specific Conductance	umhos /cm	0578	WL	08/21/2007	0001	15	-	30	17653	#			
Specific Conductance	umhos /cm	0579	WL	08/21/2007	0001	25	-	40	20561	#			
Specific Conductance	umhos /cm	0581	WL	08/30/2007	0001	18	-	18	11219	#			
Specific Conductance	umhos /cm	0582	WL	08/30/2007	0001	18	-	18	14490	#			
Specific Conductance	umhos /cm	0583	WL	08/30/2007	0001	18	-	18	12253	#			
Specific Conductance	umhos /cm	0584	WL	08/30/2007	0001	18	-	18	14622	#			
Specific Conductance	umhos /cm	0585	WL	08/30/2007	0001	18	-	18	17101	#			
Specific Conductance	umhos /cm	0586	WL	08/28/2007	0001	18	-	18	18263	#			
Specific Conductance	umhos /cm	0587	WL	08/30/2007	0001	18	-	18	13140	#			
Specific Conductance	umhos /cm	0588	WL	08/30/2007	0001	34	-	34	42820	#			
Specific Conductance	umhos /cm	0589	WL	08/30/2007	0001	52	-	52	109900	#			
Specific Conductance	umhos /cm	0590	WL	08/21/2007	0001	1	-	2	5627	#			
Specific Conductance	umhos /cm	0591	WL	08/21/2007	0001	3.9	-	4.9	6332	#			
Specific Conductance	umhos /cm	0596	WL	09/04/2007	0001	24	-	24	16267	#			
Specific Conductance	umhos /cm	0597	WL	08/23/2007	0001	9.3	-	10.3	1229	#			
Specific Conductance	umhos /cm	0598	WL	08/23/2007	0001	9.1	-	10.1	2561	#			
Specific Conductance	umhos /cm	0599	WL	08/23/2007	0001	9.4	-	10.4	3624	#			
Specific Conductance	umhos /cm	0600	WL	08/30/2007	0001	28	-	28	21670	#			

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Specific Conductance	umhos /cm	0603	WL	08/21/2007	0001	9.2	-	10.2	10823		#		
Specific Conductance	umhos /cm	0604	WL	08/21/2007	0001	7.3	-	8.3	10465		#		
Specific Conductance	umhos /cm	0605	WL	08/21/2007	0001	9.4	-	10.4	4014		#		
Specific Conductance	umhos /cm	0606	WL	08/22/2007	0001	9.3	-	10.3	3728		#		
Specific Conductance	umhos /cm	0607	WL	08/22/2007	0001	9.6	-	10.6	3974		#		
Specific Conductance	umhos /cm	0608	WL	08/22/2007	0001	8.9	-	9.9	2796		#		
Specific Conductance	umhos /cm	0611	WL	08/22/2007	0001	2.2	-	3.2	1079		#		
Specific Conductance	umhos /cm	0612	WL	08/22/2007	0001	4.3	-	5.3	1106		#		
Specific Conductance	umhos /cm	0614	WL	08/21/2007	0001	5.1	-	6.1	3917		#		
Specific Conductance	umhos /cm	0615	WL	08/21/2007	0001	1.4	-	2.4	1235		#		
Specific Conductance	umhos /cm	0616	WL	08/21/2007	0001	5.3	-	6.3	1531		#		
Specific Conductance	umhos /cm	0617	WL	08/23/2007	0001	1.7	-	2.7	2893		#		
Specific Conductance	umhos /cm	0618	WL	08/23/2007	0001	5.3	-	6.3	2548		#		
Specific Conductance	umhos /cm	0670	WL	08/21/2007	0001	15.9	-	45.9	5961		#		
Specific Conductance	umhos /cm	0671	WL	08/21/2007	0001	14.4	-	44.4	8572		#		
Specific Conductance	umhos /cm	0672	WL	08/21/2007	0001	15	-	45	5039		#		
Specific Conductance	umhos /cm	0673	WL	08/21/2007	0001	16.3	-	46.3	3379		#		
Specific Conductance	umhos /cm	0674	WL	08/21/2007	0001	15.1	-	45.1	3903		#		
Specific Conductance	umhos /cm	0675	WL	08/21/2007	0001	16	-	46	3639		#		
Specific Conductance	umhos /cm	0676	WL	08/21/2007	0001	15.9	-	45.9	6904		#		
Specific Conductance	umhos /cm	0677	WL	08/21/2007	0001	15.2	-	45.2	5362		#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Specific Conductance	umhos /cm	0678	WL	08/21/2007	0001	16.3	-	46.3	3431		#		
Specific Conductance	umhos /cm	0679	WL	08/21/2007	0001	15	-	45	3709		#		
Specific Conductance	umhos /cm	0680	WL	08/28/2007	0001	18	-	18	12639		#		
Specific Conductance	umhos /cm	0681	WL	08/28/2007	0001	18	-	18	11638		#		
Specific Conductance	umhos /cm	0682	WL	08/28/2007	0001	28	-	28	17184		#		
Specific Conductance	umhos /cm	0683	WL	08/28/2007	0001	27	-	27	10787		#		
Specific Conductance	umhos /cm	0684	WL	08/28/2007	0001	18	-	18	2485		#		
Specific Conductance	umhos /cm	0685	WL	08/27/2007	0001	28	-	28	1474		#		
Specific Conductance	umhos /cm	0686	WL	08/28/2007	0001	18	-	18	2707		#		
Specific Conductance	umhos /cm	0687	WL	08/28/2007	0001	28	-	28	10751		#		
Specific Conductance	umhos /cm	0688	WL	08/28/2007	0001	31	-	31	16943		#		
Specific Conductance	umhos /cm	0688	WL	08/28/2007	0001	39	-	39	19501		#		
Specific Conductance	umhos /cm	0689	WL	08/28/2007	0001	46	-	46	25950		#		
Specific Conductance	umhos /cm	0689	WL	08/28/2007	0001	54	-	54	61076		#		
Specific Conductance	umhos /cm	0690	WL	08/29/2007	0001	3.3	-	4.3	6667		#		
Specific Conductance	umhos /cm	0691	WL	08/29/2007	0001	6.5	-	7.5	12770		#		
Specific Conductance	umhos /cm	0692	WL	08/29/2007	0001	9.7	-	10.1	13423		#		
Specific Conductance	umhos /cm	0693	WL	08/29/2007	0001	2	-	3	7574		#		
Specific Conductance	umhos /cm	0694	WL	08/29/2007	0001	4.3	-	5.3	11995		#		
Specific Conductance	umhos /cm	0695	WL	08/29/2007	0001	9.3	-	10.3	15664		#		
Specific Conductance	umhos /cm	0696	WL	08/29/2007	0001	1.3	-	2.3	5930		#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Specific Conductance	umhos /cm	0697	WL	08/29/2007	0001	4.3	-	5.3	19601		#		
Specific Conductance	umhos /cm	0698	WL	08/30/2007	0001	9.9	-	10.3	20610		#		
Specific Conductance	umhos /cm	0724	WL	08/23/2007	0001	2.4	-	3.4	2833		#		
Specific Conductance	umhos /cm	0725	WL	08/23/2007	0001	4.6	-	5.6	1770		#		
Specific Conductance	umhos /cm	0726	WL	08/23/2007	0001	9.7	-	10.3	1753		#		
Specific Conductance	umhos /cm	0730	WL	08/27/2007	0001	18	-	18	1120		#		
Specific Conductance	umhos /cm	0731	WL	08/27/2007	0001	18	-	18	1089		#		
Specific Conductance	umhos /cm	0732	WL	08/27/2007	0001	18	-	18	1302		#		
Specific Conductance	umhos /cm	0733	WL	08/24/2007	0001	18	-	18	1491		#		
Specific Conductance	umhos /cm	0770	WL	08/20/2007	0001	14.9	-	34.8	36840		#		
Specific Conductance	umhos /cm	0771	WL	08/20/2007	0001	15	-	34.9	36180		#		
Specific Conductance	umhos /cm	0772	WL	08/20/2007	0001	15.15	-	35.0 5	7780		#		
Specific Conductance	umhos /cm	0773	WL	08/20/2007	0001	15.15	-	35.0 5	30232		#		
Specific Conductance	umhos /cm	0774	WL	08/20/2007	0001	15.5	-	35.4	26937		#		
Specific Conductance	umhos /cm	0775	WL	08/20/2007	0001	15.1	-	35	32619		#		
Specific Conductance	umhos /cm	0776	WL	08/20/2007	0001	15.15	-	35.0 5	43048		#		
Specific Conductance	umhos /cm	0777	WL	08/20/2007	0001	15.3	-	35.2	27671		#		
Specific Conductance	umhos /cm	0778	WL	08/20/2007	0001	15.1	-	35	27756		#		
Specific Conductance	umhos /cm	0779	WL	08/20/2007	0001	15.66	-	35.5 6	60431		#		
Specific Conductance	umhos /cm	0780	WL	09/05/2007	0001	28	-	28	23218		#		
Specific Conductance	umhos /cm	0781	WL	09/05/2007	0001	46	-	46	116694		#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Specific Conductance	umhos /cm	0782	WL	09/05/2007	0001	33	-	33	114291		#		
Specific Conductance	umhos /cm	0785	WL	09/05/2007	0001	18	-	18	1403		#		
Specific Conductance	umhos /cm	0786	WL	09/05/2007	0001	28	-	28	39251		#		
Specific Conductance	umhos /cm	0787	WL	09/05/2007	0001	38	-	38	115649		#		
Specific Conductance	umhos /cm	0790	WL	09/04/2007	0001	2	-	3	1237		#		
Specific Conductance	umhos /cm	0791	WL	09/04/2007	0001	4.3	-	5.3	1176		#		
Specific Conductance	umhos /cm	0792	WL	09/04/2007	0001	9.3	-	10.3	13242		#		
Specific Conductance	umhos /cm	0793	WL	09/04/2007	0001	2	-	3	1655		#		
Specific Conductance	umhos /cm	0795	WL	09/05/2007	0001	9.3	-	10.3	40918		#		
Specific Conductance	umhos /cm	SMI-PW01	WL	09/06/2007	0001	40	-	40	14951		#		
Specific Conductance	umhos /cm	SMI-PZ1D	BH	09/06/2007	0001	0	-	0	96711		#		
Specific Conductance	umhos /cm	SMI-PZ1M	WL	09/06/2007	0001	57	-	57	23149		#		
Specific Conductance	umhos /cm	SMI-PZ1S	WL	09/06/2007	0001	18	-	18	11038		#		
Sulfate	mg/L	0239	SL	08/21/2007	0001	0	-	0	290		#	5	
Sulfate	mg/L	0243	SL	08/23/2007	0001	0	-	0	350	J	#	5	
Sulfate	mg/L	0245	SL	08/22/2007	0001	0	-	0	310		#	5	
Sulfate	mg/L	0259	SL	08/29/2007	0001	0	-	0	450	J	#	10	
Sulfate	mg/L	0274	SL	09/04/2007	0001	0	-	0	310	J	#	5	
Sulfate	mg/L	0274	SL	09/05/2007	0001	0	-	0	320	J	#	5	
Sulfate	mg/L	0401	WL	08/30/2007	0001	18	-	18	6000		#	100	
Sulfate	mg/L	0403	WL	08/30/2007	0001	18	-	18	6500		#	100	
Sulfate	mg/L	0404	WL	08/28/2007	0001	18	-	18	3800	J	#	50	
Sulfate	mg/L	0405	WL	08/24/2007	0001	18	-	18	310	J	#	5	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Sulfate	mg/L	0407	WL	08/30/2007	0001	18	-	18	250		#	10	
Sulfate	mg/L	0408	WL	08/30/2007	0001	26	-	26	8000		#	100	
Sulfate	mg/L	0470	WL	08/20/2007	0001	10.3	-	19.7	3100		#	50	
Sulfate	mg/L	0471	WL	08/20/2007	0001	10.3	-	19.7	4000		#	50	
Sulfate	mg/L	0472	WL	08/20/2007	0001	10.3	-	19.7	2300		#	50	
Sulfate	mg/L	0473	WL	08/20/2007	0001	10.3	-	19.7	2800		#	50	
Sulfate	mg/L	0474	WL	08/20/2007	0001	10.3	-	19.7	3900		#	50	
Sulfate	mg/L	0475	WL	08/20/2007	0001	10.3	-	19.7	4600		#	50	
Sulfate	mg/L	0476	WL	08/20/2007	0001	10.3	-	19.7	5500		#	50	
Sulfate	mg/L	0477	WL	08/20/2007	0001	10.3	-	19.7	5600		#	50	
Sulfate	mg/L	0478	WL	08/20/2007	0001	9.6	-	23.9	7100		#	100	
Sulfate	mg/L	0479	WL	08/20/2007	0001	9.3	-	23.6	5300		#	50	
Sulfate	mg/L	0479	WL	08/20/2007	0002	9.3	-	23.6	5000		#	100	
Sulfate	mg/L	0480	WL	09/05/2007	0001	18	-	18	9000	J	#	100	
Sulfate	mg/L	0481	WL	09/05/2007	0001	28	-	28	9000	J	#	100	
Sulfate	mg/L	0482	WL	09/05/2007	0001	58	-	58	5900	J	#	50	
Sulfate	mg/L	0483	WL	09/04/2007	0001	18	-	18	6200	J	#	100	
Sulfate	mg/L	0484	WL	09/05/2007	0001	28	-	28	9200	J	#	250	
Sulfate	mg/L	0485	WL	09/04/2007	0001	58	-	58	5500	J	#	50	
Sulfate	mg/L	0488	WL	08/24/2007	0001	39	-	39	6600	J	#	100	
Sulfate	mg/L	0493	WL	08/24/2007	0001	54	-	54	8600	J	#	100	
Sulfate	mg/L	0493	WL	08/24/2007	0002	54	-	54	8900	J	#	100	
Sulfate	mg/L	0495	WL	08/23/2007	0001	4.6	-	5.6	2000	J	#	25	
Sulfate	mg/L	0496	WL	08/23/2007	0001	2.2	-	3.2	540	J	#	10	
Sulfate	mg/L	0547	TS	09/06/2007	0001	0	-	0	6300	J	#	100	
Sulfate	mg/L	0547	TS	09/06/2007	0002	0	-	0	6000	J	#	250	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)			Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Sulfate	mg/L	0548	TS	09/06/2007	0001	0	-	0	6400		J	#	250	
Sulfate	mg/L	0552	WL	09/05/2007	0001	18	-	18	7100		J	#	100	
Sulfate	mg/L	0552	WL	09/05/2007	0002	18	-	18	8300		J	#	100	
Sulfate	mg/L	0555	WL	08/30/2007	0001	18	-	18	5200			#	50	
Sulfate	mg/L	0557	WL	09/05/2007	0001	40	-	40	9100		J	#	100	
Sulfate	mg/L	0558	WL	08/30/2007	0001	36	-	36	8600			#	50	
Sulfate	mg/L	0559	WL	09/04/2007	0001	19	-	19	4500		J	#	50	
Sulfate	mg/L	0560	WL	09/04/2007	0001	31	-	31	8500		J	#	50	
Sulfate	mg/L	0561	WL	09/04/2007	0001	50	-	50	6800		J	#	50	
Sulfate	mg/L	0562	WL	08/22/2007	0001	1.3	-	2.3	330			#	5	
Sulfate	mg/L	0563	WL	08/22/2007	0001	4.6	-	5.6	340			#	5	
Sulfate	mg/L	0564	WL	08/22/2007	0001	1.2	-	2.2	300			#	5	
Sulfate	mg/L	0565	WL	08/22/2007	0001	4	-	5	290			#	5	
Sulfate	mg/L	0570	WL	08/20/2007	0001	15	-	30	6900			#	100	
Sulfate	mg/L	0571	WL	08/20/2007	0001	25	-	40	7400			#	50	
Sulfate	mg/L	0572	WL	08/21/2007	0001	15	-	30	7300			#	250	
Sulfate	mg/L	0573	WL	08/21/2007	0001	25	-	40	7300			#	500	
Sulfate	mg/L	0574	WL	08/21/2007	0001	15	-	30	8600			#	100	
Sulfate	mg/L	0577	WL	08/21/2007	0001	25	-	40	8200			#	250	
Sulfate	mg/L	0578	WL	08/21/2007	0001	15	-	30	7400			#	100	
Sulfate	mg/L	0579	WL	08/21/2007	0001	25	-	40	7800			#	100	
Sulfate	mg/L	0581	WL	08/30/2007	0001	18	-	18	4600			#	50	
Sulfate	mg/L	0582	WL	08/30/2007	0001	18	-	18	6000			#	100	
Sulfate	mg/L	0583	WL	08/30/2007	0001	18	-	18	5400			#	50	
Sulfate	mg/L	0584	WL	08/30/2007	0001	18	-	18	6100			#	100	
Sulfate	mg/L	0585	WL	08/30/2007	0001	18	-	18	7100			#	100	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)			Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Sulfate	mg/L	0586	WL	08/28/2007	0001	18	-	18	8000		J	#	100	
Sulfate	mg/L	0587	WL	08/30/2007	0001	18	-	18	5700			#	100	
Sulfate	mg/L	0588	WL	08/30/2007	0001	34	-	34	9300			#	250	
Sulfate	mg/L	0588	WL	08/30/2007	0002	34	-	34	9400			#	250	
Sulfate	mg/L	0589	WL	08/30/2007	0001	52	-	52	6600			#	50	
Sulfate	mg/L	0590	WL	08/21/2007	0001	1	-	2	2200			#	50	
Sulfate	mg/L	0591	WL	08/21/2007	0001	3.9	-	4.9	1600			#	50	
Sulfate	mg/L	0596	WL	09/04/2007	0001	24	-	24	4200		J	#	100	
Sulfate	mg/L	0597	WL	08/23/2007	0001	9.3	-	10.3	320		J	#	5	
Sulfate	mg/L	0598	WL	08/23/2007	0001	9.1	-	10.1	880		J	#	10	
Sulfate	mg/L	0599	WL	08/23/2007	0001	9.4	-	10.4	1000		J	#	25	
Sulfate	mg/L	0600	WL	08/30/2007	0001	28	-	28	8800			#	100	
Sulfate	mg/L	0603	WL	08/21/2007	0001	9.2	-	10.2	3300			#	50	
Sulfate	mg/L	0604	WL	08/21/2007	0001	7.3	-	8.3	1500		J	#	25	
Sulfate	mg/L	0605	WL	08/21/2007	0001	9.4	-	10.4	880			#	25	
Sulfate	mg/L	0606	WL	08/22/2007	0001	9.3	-	10.3	860			#	25	
Sulfate	mg/L	0607	WL	08/22/2007	0001	9.6	-	10.6	950			#	25	
Sulfate	mg/L	0608	WL	08/22/2007	0001	8.9	-	9.9	580			#	25	
Sulfate	mg/L	0611	WL	08/22/2007	0001	2.2	-	3.2	300			#	5	
Sulfate	mg/L	0612	WL	08/22/2007	0001	4.3	-	5.3	290			#	5	
Sulfate	mg/L	0614	WL	08/21/2007	0001	5.1	-	6.1	1900		J	#	50	
Sulfate	mg/L	0615	WL	08/21/2007	0001	1.4	-	2.4	280			#	5	
Sulfate	mg/L	0616	WL	08/21/2007	0001	5.3	-	6.3	310			#	10	
Sulfate	mg/L	0617	WL	08/23/2007	0001	1.7	-	2.7	780		J	#	25	
Sulfate	mg/L	0618	WL	08/23/2007	0001	5.3	-	6.3	710		J	#	10	
Sulfate	mg/L	0670	WL	08/21/2007	0001	15.9	-	45.9	1300			#	25	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Sulfate	mg/L	0671	WL	08/21/2007	0001	14.4	-	44.4	1200		#	25	
Sulfate	mg/L	0672	WL	08/21/2007	0001	15	-	45	1400		#	25	
Sulfate	mg/L	0673	WL	08/21/2007	0001	16.3	-	46.3	1200		#	25	
Sulfate	mg/L	0674	WL	08/21/2007	0001	15.1	-	45.1	1200		#	25	
Sulfate	mg/L	0675	WL	08/21/2007	0001	16	-	46	1100		#	25	
Sulfate	mg/L	0676	WL	08/21/2007	0001	15.9	-	45.9	1700		#	25	
Sulfate	mg/L	0677	WL	08/21/2007	0001	15.2	-	45.2	1100		#	25	
Sulfate	mg/L	0678	WL	08/21/2007	0001	16.3	-	46.3	1100		#	25	
Sulfate	mg/L	0679	WL	08/21/2007	0001	15	-	45	1300		#	25	
Sulfate	mg/L	0680	WL	08/28/2007	0001	18	-	18	5400	J	#	50	
Sulfate	mg/L	0681	WL	08/28/2007	0001	18	-	18	4300	J	#	50	
Sulfate	mg/L	0682	WL	08/28/2007	0001	28	-	28	7100	J	#	100	
Sulfate	mg/L	0682	WL	08/28/2007	0002	28	-	28	7300	J	#	100	
Sulfate	mg/L	0683	WL	08/28/2007	0001	27	-	27	4000	J	#	50	
Sulfate	mg/L	0684	WL	08/28/2007	0001	18	-	18	980	J	#	10	
Sulfate	mg/L	0685	WL	08/27/2007	0001	28	-	28	340	J	#	5	
Sulfate	mg/L	0686	WL	08/28/2007	0001	18	-	18	1200	J	#	10	
Sulfate	mg/L	0687	WL	08/28/2007	0001	28	-	28	4300	J	#	50	
Sulfate	mg/L	0688	WL	08/28/2007	0001	39	-	39	8100	J	#	100	
Sulfate	mg/L	0689	WL	08/28/2007	0001	54	-	54	12000	J	#	250	
Sulfate	mg/L	0690	WL	08/29/2007	0001	3.3	-	4.3	3300	J	#	50	
Sulfate	mg/L	0691	WL	08/29/2007	0001	6.5	-	7.5	5100	J	#	100	
Sulfate	mg/L	0692	WL	08/29/2007	0001	9.7	-	10.1	4900	J	#	100	
Sulfate	mg/L	0693	WL	08/29/2007	0001	2	-	3	3100	J	#	50	
Sulfate	mg/L	0694	WL	08/29/2007	0001	4.3	-	5.3	4700	J	#	50	
Sulfate	mg/L	0695	WL	08/29/2007	0001	9.3	-	10.3	6100	J	#	100	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Sulfate	mg/L	0696	WL	08/29/2007	0001	1.3	-	2.3	1600	J	#	25	
Sulfate	mg/L	0697	WL	08/29/2007	0001	4.3	-	5.3	7600	J	#	100	
Sulfate	mg/L	0724	WL	08/23/2007	0001	2.4	-	3.4	1500	J	#	10	
Sulfate	mg/L	0725	WL	08/23/2007	0001	4.6	-	5.6	540	J	#	10	
Sulfate	mg/L	0726	WL	08/23/2007	0001	9.7	-	10.3	360	J	#	5	
Sulfate	mg/L	0730	WL	08/27/2007	0001	18	-	18	300	J	#	5	
Sulfate	mg/L	0731	WL	08/27/2007	0001	18	-	18	300	J	#	5	
Sulfate	mg/L	0732	WL	08/27/2007	0001	18	-	18	380	J	#	5	
Sulfate	mg/L	0733	WL	08/24/2007	0001	18	-	18	430	J	#	10	
Sulfate	mg/L	0770	WL	08/20/2007	0001	14.9	-	34.8	4200		#	25	
Sulfate	mg/L	0771	WL	08/20/2007	0001	15	-	34.9	3900		#	25	
Sulfate	mg/L	0772	WL	08/20/2007	0001	15.15	-	35.0 5	2800		#	50	
Sulfate	mg/L	0773	WL	08/20/2007	0001	15.15	-	35.0 5	4900		#	25	
Sulfate	mg/L	0774	WL	08/20/2007	0001	15.5	-	35.4	5400		#	250	
Sulfate	mg/L	0775	WL	08/20/2007	0001	15.1	-	35	8100		#	250	
Sulfate	mg/L	0776	WL	08/20/2007	0001	15.15	-	35.0 5	4500		#	25	
Sulfate	mg/L	0777	WL	08/20/2007	0001	15.3	-	35.2	4200		#	25	
Sulfate	mg/L	0778	WL	08/20/2007	0001	15.1	-	35	4400		#	25	
Sulfate	mg/L	0779	WL	08/20/2007	0001	15.66	-	35.5 6	5300		#	500	
Sulfate	mg/L	0780	WL	09/05/2007	0001	28	-	28	10000	J	#	100	
Sulfate	mg/L	0781	WL	09/05/2007	0001	46	-	46	4900	J	#	50	
Sulfate	mg/L	0782	WL	09/05/2007	0001	33	-	33	5900	J	#	50	
Sulfate	mg/L	0785	WL	09/05/2007	0001	18	-	18	290	UJ	#	10	
Sulfate	mg/L	0785	WL	09/05/2007	0002	18	-	18	290	UJ	#	10	
Sulfate	mg/L	0786	WL	09/05/2007	0001	28	-	28	3800	J	#	25	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)			Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Sulfate	mg/L	0787	WL	09/05/2007	0001	38	-	38	4800		J	#	50	
Sulfate	mg/L	0790	WL	09/04/2007	0001	2	-	3	290		J	#	5	
Sulfate	mg/L	0791	WL	09/04/2007	0001	4.3	-	5.3	280		J	#	5	
Sulfate	mg/L	0792	WL	09/04/2007	0001	9.3	-	10.3	2500		J	#	50	
Sulfate	mg/L	0793	WL	09/04/2007	0001	2	-	3	320		J	#	5	
Sulfate	mg/L	SMI-PW01	WL	09/06/2007	0001	40	-	40	6700		J	#	100	
Sulfate	mg/L	SMI-PW01	WL	09/06/2007	0002	40	-	40	6600		J	#	100	
Sulfate	mg/L	SMI-PZ1D	BH	09/06/2007	0001	0	-	0	140000		J	#	1000	
Sulfate	mg/L	SMI-PZ1M	WL	09/06/2007	0001	57	-	57	12000		J	#	100	
Sulfate	mg/L	SMI-PZ1M	WL	09/06/2007	0002	57	-	57	12000		J	#	100	
Sulfate	mg/L	SMI-PZ1S	WL	09/06/2007	0001	18	-	18	4600		J	#	50	
Temperature	C	0239	SL	08/21/2007	0001	0	-	0	28.89			#		
Temperature	C	0243	SL	08/23/2007	0001	0	-	0	25.42			#		
Temperature	C	0245	SL	08/22/2007	0001	0	-	0	25.41			#		
Temperature	C	0259	SL	08/29/2007	0001	0	-	0	25.52			#		
Temperature	C	0274	SL	09/04/2007	0001	0	-	0	26.57			#		
Temperature	C	0274	SL	09/05/2007	0001	0	-	0	32.15			#		
Temperature	C	0401	WL	08/30/2007	0001	18	-	18	18.04			#		
Temperature	C	0403	WL	08/30/2007	0001	18	-	18	17.98			#		
Temperature	C	0404	WL	08/28/2007	0001	18	-	18	19.79			#		
Temperature	C	0405	WL	08/24/2007	0001	18	-	18	23.66			#		
Temperature	C	0407	WL	08/30/2007	0001	18	-	18	18.65			#		
Temperature	C	0408	WL	08/30/2007	0001	26	-	26	20.03			#		
Temperature	C	0470	WL	08/20/2007	0001	10.3	-	19.7	17.61			#		
Temperature	C	0471	WL	08/20/2007	0001	10.3	-	19.7	16.49			#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Temperature	C	0472	WL	08/20/2007	0001	10.3	-	19.7	16.98		#		
Temperature	C	0473	WL	08/20/2007	0001	10.3	-	19.7	18.21		#		
Temperature	C	0474	WL	08/20/2007	0001	10.3	-	19.7	18.07		#		
Temperature	C	0475	WL	08/20/2007	0001	10.3	-	19.7	18.82		#		
Temperature	C	0476	WL	08/20/2007	0001	10.3	-	19.7	17.59		#		
Temperature	C	0477	WL	08/20/2007	0001	10.3	-	19.7	17.31		#		
Temperature	C	0478	WL	08/20/2007	0001	9.6	-	23.9	22.45		#		
Temperature	C	0479	WL	08/20/2007	0001	9.3	-	23.6	17.19		#		
Temperature	C	0480	WL	09/05/2007	0001	18	-	18	17.4		#		
Temperature	C	0481	WL	09/05/2007	0001	28	-	28	17.77		#		
Temperature	C	0482	WL	09/05/2007	0001	58	-	58	18.41		#		
Temperature	C	0483	WL	09/04/2007	0001	18	-	18	17.66		#		
Temperature	C	0484	WL	09/05/2007	0001	28	-	28	17.58		#		
Temperature	C	0485	WL	09/04/2007	0001	58	-	58	17.59		#		
Temperature	C	0488	WL	08/24/2007	0001	39	-	39	19.26		#		
Temperature	C	0493	WL	08/24/2007	0001	54	-	54	19.97		#		
Temperature	C	0495	WL	08/23/2007	0001	4.6	-	5.6	24.72		#		
Temperature	C	0496	WL	08/23/2007	0001	2.2	-	3.2	28.35		#		
Temperature	C	0547	TS	09/06/2007	0001	0	-	0	20.14		#		
Temperature	C	0548	TS	09/06/2007	0001	0	-	0	22.1		#		
Temperature	C	0552	WL	09/05/2007	0001	18	-	18	18.3		#		
Temperature	C	0555	WL	08/30/2007	0001	18	-	18	18.09		#		
Temperature	C	0557	WL	09/05/2007	0001	40	-	40	18.68		#		
Temperature	C	0558	WL	08/30/2007	0001	36	-	36	21.06		#		
Temperature	C	0559	WL	09/04/2007	0001	19	-	19	18.53		#		
Temperature	C	0560	WL	09/04/2007	0001	31	-	31	19.51		#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)			Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Temperature	C	0561	WL	09/04/2007	0001	50	-	50	21.99			#		
Temperature	C	0562	WL	08/22/2007	0001	1.3	-	2.3	22.54			#		
Temperature	C	0563	WL	08/22/2007	0001	4.6	-	5.6	21.99			#		
Temperature	C	0564	WL	08/22/2007	0001	1.2	-	2.2	24.02			#		
Temperature	C	0565	WL	08/22/2007	0001	4	-	5	23.21			#		
Temperature	C	0570	WL	08/20/2007	0001	15	-	30	22.47			#		
Temperature	C	0571	WL	08/20/2007	0001	25	-	40	18.01			#		
Temperature	C	0572	WL	08/21/2007	0001	15	-	30	18.16			#		
Temperature	C	0573	WL	08/21/2007	0001	25	-	40	18.18			#		
Temperature	C	0574	WL	08/21/2007	0001	15	-	30	19.3			#		
Temperature	C	0577	WL	08/21/2007	0001	25	-	40	19.8			#		
Temperature	C	0578	WL	08/21/2007	0001	15	-	30	21.32			#		
Temperature	C	0579	WL	08/21/2007	0001	25	-	40	22.9			#		
Temperature	C	0581	WL	08/30/2007	0001	18	-	18	18.85			#		
Temperature	C	0582	WL	08/30/2007	0001	18	-	18	17.04			#		
Temperature	C	0583	WL	08/30/2007	0001	18	-	18	17.63			#		
Temperature	C	0584	WL	08/30/2007	0001	18	-	18	18.25			#		
Temperature	C	0585	WL	08/30/2007	0001	18	-	18	17.75			#		
Temperature	C	0586	WL	08/28/2007	0001	18	-	18	19.72			#		
Temperature	C	0587	WL	08/30/2007	0001	18	-	18	18.5			#		
Temperature	C	0588	WL	08/30/2007	0001	34	-	34	16.31			#		
Temperature	C	0589	WL	08/30/2007	0001	52	-	52	17.78			#		
Temperature	C	0590	WL	08/21/2007	0001	1	-	2	36.14			#		
Temperature	C	0591	WL	08/21/2007	0001	3.9	-	4.9	20.92			#		
Temperature	C	0596	WL	09/04/2007	0001	24	-	24	17.47			#		
Temperature	C	0597	WL	08/23/2007	0001	9.3	-	10.3	22.28			#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Temperature	C	0598	WL	08/23/2007	0001	9.1	-	10.1	17.87		#		
Temperature	C	0599	WL	08/23/2007	0001	9.4	-	10.4	18.31		#		
Temperature	C	0600	WL	08/30/2007	0001	28	-	28	18.01		#		
Temperature	C	0603	WL	08/21/2007	0001	9.2	-	10.2	19.18		#		
Temperature	C	0604	WL	08/21/2007	0001	7.3	-	8.3	23.17		#		
Temperature	C	0605	WL	08/21/2007	0001	9.4	-	10.4	18.92		#		
Temperature	C	0606	WL	08/22/2007	0001	9.3	-	10.3	19.26		#		
Temperature	C	0607	WL	08/22/2007	0001	9.6	-	10.6	21.19		#		
Temperature	C	0608	WL	08/22/2007	0001	8.9	-	9.9	19.39		#		
Temperature	C	0611	WL	08/22/2007	0001	2.2	-	3.2	22.33		#		
Temperature	C	0612	WL	08/22/2007	0001	4.3	-	5.3	21.69		#		
Temperature	C	0614	WL	08/21/2007	0001	5.1	-	6.1	27.96		#		
Temperature	C	0615	WL	08/21/2007	0001	1.4	-	2.4	22.75		#		
Temperature	C	0616	WL	08/21/2007	0001	5.3	-	6.3	20.73		#		
Temperature	C	0617	WL	08/23/2007	0001	1.7	-	2.7	31.19		#		
Temperature	C	0618	WL	08/23/2007	0001	5.3	-	6.3	19.87		#		
Temperature	C	0670	WL	08/21/2007	0001	15.9	-	45.9	28.16		#		
Temperature	C	0671	WL	08/21/2007	0001	14.4	-	44.4	27.12		#		
Temperature	C	0672	WL	08/21/2007	0001	15	-	45	27.34		#		
Temperature	C	0673	WL	08/21/2007	0001	16.3	-	46.3	24		#		
Temperature	C	0674	WL	08/21/2007	0001	15.1	-	45.1	25.88		#		
Temperature	C	0675	WL	08/21/2007	0001	16	-	46	24.96		#		
Temperature	C	0676	WL	08/21/2007	0001	15.9	-	45.9	25.6		#		
Temperature	C	0677	WL	08/21/2007	0001	15.2	-	45.2	24.83		#		
Temperature	C	0678	WL	08/21/2007	0001	16.3	-	46.3	24.69		#		
Temperature	C	0679	WL	08/21/2007	0001	15	-	45	25.83		#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Temperature	C	0680	WL	08/28/2007	0001	18	-	18	22.59		#		
Temperature	C	0681	WL	08/28/2007	0001	18	-	18	22.52		#		
Temperature	C	0682	WL	08/28/2007	0001	28	-	28	19.84		#		
Temperature	C	0683	WL	08/28/2007	0001	27	-	27	18.63		#		
Temperature	C	0684	WL	08/28/2007	0001	18	-	18	19.08		#		
Temperature	C	0685	WL	08/27/2007	0001	28	-	28	22.92		#		
Temperature	C	0686	WL	08/28/2007	0001	18	-	18	20.05		#		
Temperature	C	0687	WL	08/28/2007	0001	28	-	28	19.7		#		
Temperature	C	0688	WL	08/28/2007	0001	39	-	39	20.48		#		
Temperature	C	0688	WL	08/28/2007	0001	31	-	31	21.13		#		
Temperature	C	0689	WL	08/28/2007	0001	54	-	54	19.75		#		
Temperature	C	0689	WL	08/28/2007	0001	46	-	46	20.93		#		
Temperature	C	0690	WL	08/29/2007	0001	3.3	-	4.3	21.03		#		
Temperature	C	0691	WL	08/29/2007	0001	6.5	-	7.5	18.57		#		
Temperature	C	0692	WL	08/29/2007	0001	9.7	-	10.1	19.1		#		
Temperature	C	0693	WL	08/29/2007	0001	2	-	3	21.76		#		
Temperature	C	0694	WL	08/29/2007	0001	4.3	-	5.3	19.93		#		
Temperature	C	0695	WL	08/29/2007	0001	9.3	-	10.3	18.06		#		
Temperature	C	0696	WL	08/29/2007	0001	1.3	-	2.3	22.61		#		
Temperature	C	0697	WL	08/29/2007	0001	4.3	-	5.3	21.32		#		
Temperature	C	0698	WL	08/30/2007	0001	9.9	-	10.3	21.9		#		
Temperature	C	0724	WL	08/23/2007	0001	2.4	-	3.4	26.73		#		
Temperature	C	0725	WL	08/23/2007	0001	4.6	-	5.6	27.37		#		
Temperature	C	0726	WL	08/23/2007	0001	9.7	-	10.3	26.93		#		
Temperature	C	0730	WL	08/27/2007	0001	18	-	18	25.66		#		
Temperature	C	0731	WL	08/27/2007	0001	18	-	18	26.17		#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Temperature	C	0732	WL	08/27/2007	0001	18	-	18	26.55		#		
Temperature	C	0733	WL	08/24/2007	0001	18	-	18	27.58		#		
Temperature	C	0770	WL	08/20/2007	0001	14.9	-	34.8	17.21		#		
Temperature	C	0771	WL	08/20/2007	0001	15	-	34.9	18.52		#		
Temperature	C	0772	WL	08/20/2007	0001	15.15	-	35.0 5	19.79		#		
Temperature	C	0773	WL	08/20/2007	0001	15.15	-	35.0 5	16.8		#		
Temperature	C	0774	WL	08/20/2007	0001	15.5	-	35.4	19.93		#		
Temperature	C	0775	WL	08/20/2007	0001	15.1	-	35	19.1		#		
Temperature	C	0776	WL	08/20/2007	0001	15.15	-	35.0 5	18.59		#		
Temperature	C	0777	WL	08/20/2007	0001	15.3	-	35.2	18.64		#		
Temperature	C	0778	WL	08/20/2007	0001	15.1	-	35	19.62		#		
Temperature	C	0779	WL	08/20/2007	0001	15.66	-	35.5 6	18.6		#		
Temperature	C	0780	WL	09/05/2007	0001	28	-	28	19.01		#		
Temperature	C	0781	WL	09/05/2007	0001	46	-	46	19.71		#		
Temperature	C	0782	WL	09/05/2007	0001	33	-	33	19.95		#		
Temperature	C	0785	WL	09/05/2007	0001	18	-	18	21.21		#		
Temperature	C	0786	WL	09/05/2007	0001	28	-	28	19.52		#		
Temperature	C	0787	WL	09/05/2007	0001	38	-	38	20.41		#		
Temperature	C	0790	WL	09/04/2007	0001	2	-	3	21.86		#		
Temperature	C	0791	WL	09/04/2007	0001	4.3	-	5.3	20.53		#		
Temperature	C	0792	WL	09/04/2007	0001	9.3	-	10.3	21.36		#		
Temperature	C	0793	WL	09/04/2007	0001	2	-	3	22.74		#		
Temperature	C	0795	WL	09/05/2007	0001	9.3	-	10.3	22.15		#		
Temperature	C	SMI-PW01	WL	09/06/2007	0001	40	-	40	20.43		#		
Temperature	C	SMI-PZ1D	BH	09/06/2007	0001	0	-	0	19.1		#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)			Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Temperature	C	SMI-PZ1M	WL	09/06/2007	0001	57	-	57	18.57			#		
Temperature	C	SMI-PZ1S	WL	09/06/2007	0001	18	-	18	18.89			#		
Total Dissolved Solids	mg/L	0239	SL	08/21/2007	0001	0	-	0	740			#	20	
Total Dissolved Solids	mg/L	0243	SL	08/23/2007	0001	0	-	0	850			#	20	
Total Dissolved Solids	mg/L	0245	SL	08/22/2007	0001	0	-	0	750			#	20	
Total Dissolved Solids	mg/L	0259	SL	08/29/2007	0001	0	-	0	970			#	20	
Total Dissolved Solids	mg/L	0274	SL	09/04/2007	0001	0	-	0	740			#	20	
Total Dissolved Solids	mg/L	0274	SL	09/05/2007	0001	0	-	0	770			#	20	
Total Dissolved Solids	mg/L	0401	WL	08/30/2007	0001	18	-	18	13000			#	200	
Total Dissolved Solids	mg/L	0403	WL	08/30/2007	0001	18	-	18	13000			#	200	
Total Dissolved Solids	mg/L	0404	WL	08/28/2007	0001	18	-	18	6900			#	200	
Total Dissolved Solids	mg/L	0405	WL	08/24/2007	0001	18	-	18	660			#	20	
Total Dissolved Solids	mg/L	0407	WL	08/30/2007	0001	18	-	18	700			#	20	
Total Dissolved Solids	mg/L	0408	WL	08/30/2007	0001	26	-	26	15000			#	400	
Total Dissolved Solids	mg/L	0470	WL	08/20/2007	0001	10.3	-	19.7	6300			#	200	
Total Dissolved Solids	mg/L	0471	WL	08/20/2007	0001	10.3	-	19.7	8700			#	200	
Total Dissolved Solids	mg/L	0472	WL	08/20/2007	0001	10.3	-	19.7	5400			#	200	
Total Dissolved Solids	mg/L	0473	WL	08/20/2007	0001	10.3	-	19.7	6200			#	200	
Total Dissolved Solids	mg/L	0474	WL	08/20/2007	0001	10.3	-	19.7	8400			#	200	
Total Dissolved Solids	mg/L	0475	WL	08/20/2007	0001	10.3	-	19.7	9600			#	200	
Total Dissolved Solids	mg/L	0476	WL	08/20/2007	0001	10.3	-	19.7	11000			#	200	
Total Dissolved Solids	mg/L	0477	WL	08/20/2007	0001	10.3	-	19.7	12000			#	200	
Total Dissolved Solids	mg/L	0478	WL	08/20/2007	0001	9.6	-	23.9	39000			#	400	
Total Dissolved Solids	mg/L	0479	WL	08/20/2007	0001	9.3	-	23.6	11000			#	200	
Total Dissolved Solids	mg/L	0479	WL	08/20/2007	0002	9.3	-	23.6	11000			#	200	
Total Dissolved Solids	mg/L	0480	WL	09/05/2007	0001	18	-	18	19000			#	400	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Total Dissolved Solids	mg/L	0481	WL	09/05/2007	0001	28	-	28	19000		#	400	
Total Dissolved Solids	mg/L	0482	WL	09/05/2007	0001	58	-	58	86000		#	2000	
Total Dissolved Solids	mg/L	0483	WL	09/04/2007	0001	18	-	18	14000		#	200	
Total Dissolved Solids	mg/L	0484	WL	09/05/2007	0001	28	-	28	23000		#	400	
Total Dissolved Solids	mg/L	0485	WL	09/04/2007	0001	58	-	58	88000		#	2000	
Total Dissolved Solids	mg/L	0488	WL	08/24/2007	0001	39	-	39	12000		#	200	
Total Dissolved Solids	mg/L	0493	WL	08/24/2007	0001	54	-	54	15000		#	400	
Total Dissolved Solids	mg/L	0493	WL	08/24/2007	0002	54	-	54	15000		#	400	
Total Dissolved Solids	mg/L	0495	WL	08/23/2007	0001	4.6	-	5.6	4100		#	80	
Total Dissolved Solids	mg/L	0496	WL	08/23/2007	0001	2.2	-	3.2	1100		#	80	
Total Dissolved Solids	mg/L	0547	TS	09/06/2007	0001	0	-	0	21000		#	400	
Total Dissolved Solids	mg/L	0547	TS	09/06/2007	0002	0	-	0	21000		#	400	
Total Dissolved Solids	mg/L	0548	TS	09/06/2007	0001	0	-	0	25000		#	2000	
Total Dissolved Solids	mg/L	0552	WL	09/05/2007	0001	18	-	18	14000		#	200	
Total Dissolved Solids	mg/L	0552	WL	09/05/2007	0002	18	-	18	16000		#	400	
Total Dissolved Solids	mg/L	0555	WL	08/30/2007	0001	18	-	18	11000		#	200	
Total Dissolved Solids	mg/L	0557	WL	09/05/2007	0001	40	-	40	21000		#	400	
Total Dissolved Solids	mg/L	0558	WL	08/30/2007	0001	36	-	36	65000		#	2000	
Total Dissolved Solids	mg/L	0559	WL	09/04/2007	0001	19	-	19	9200		#	200	
Total Dissolved Solids	mg/L	0560	WL	09/04/2007	0001	31	-	31	67000		#	2000	
Total Dissolved Solids	mg/L	0561	WL	09/04/2007	0001	50	-	50	82000		#	2000	
Total Dissolved Solids	mg/L	0562	WL	08/22/2007	0001	1.3	-	2.3	820		#	20	
Total Dissolved Solids	mg/L	0563	WL	08/22/2007	0001	4.6	-	5.6	840		#	20	
Total Dissolved Solids	mg/L	0564	WL	08/22/2007	0001	1.2	-	2.2	760		#	20	
Total Dissolved Solids	mg/L	0565	WL	08/22/2007	0001	4	-	5	740		#	20	
Total Dissolved Solids	mg/L	0570	WL	08/20/2007	0001	15	-	30	21000		#	400	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Total Dissolved Solids	mg/L	0571	WL	08/20/2007	0001	25	-	40	70000		#	2000	
Total Dissolved Solids	mg/L	0572	WL	08/21/2007	0001	15	-	30	21000		#	400	
Total Dissolved Solids	mg/L	0573	WL	08/21/2007	0001	25	-	40	34000		#	2000	
Total Dissolved Solids	mg/L	0574	WL	08/21/2007	0001	15	-	30	22000		#	400	
Total Dissolved Solids	mg/L	0577	WL	08/21/2007	0001	25	-	40	34000		#	1000	
Total Dissolved Solids	mg/L	0578	WL	08/21/2007	0001	15	-	30	16000		#	400	
Total Dissolved Solids	mg/L	0579	WL	08/21/2007	0001	25	-	40	16000		#	400	
Total Dissolved Solids	mg/L	0581	WL	08/30/2007	0001	18	-	18	9000		#	200	
Total Dissolved Solids	mg/L	0582	WL	08/30/2007	0001	18	-	18	13000		#	200	
Total Dissolved Solids	mg/L	0583	WL	08/30/2007	0001	18	-	18	10000		#	200	
Total Dissolved Solids	mg/L	0584	WL	08/30/2007	0001	18	-	18	12000		#	200	
Total Dissolved Solids	mg/L	0585	WL	08/30/2007	0001	18	-	18	14000		#	400	
Total Dissolved Solids	mg/L	0586	WL	08/28/2007	0001	18	-	18	15000		#	200	
Total Dissolved Solids	mg/L	0587	WL	08/30/2007	0001	18	-	18	11000		#	200	
Total Dissolved Solids	mg/L	0588	WL	08/30/2007	0001	34	-	34	32000		#	1000	
Total Dissolved Solids	mg/L	0588	WL	08/30/2007	0002	34	-	34	32000		#	1000	
Total Dissolved Solids	mg/L	0589	WL	08/30/2007	0001	52	-	52	84000		#	2000	
Total Dissolved Solids	mg/L	0590	WL	08/21/2007	0001	1	-	2	4500		#	80	
Total Dissolved Solids	mg/L	0591	WL	08/21/2007	0001	3.9	-	4.9	3600		#	80	
Total Dissolved Solids	mg/L	0596	WL	09/04/2007	0001	24	-	24	10000		#	200	
Total Dissolved Solids	mg/L	0597	WL	08/23/2007	0001	9.3	-	10.3	680		#	20	
Total Dissolved Solids	mg/L	0598	WL	08/23/2007	0001	9.1	-	10.1	1500		#	40	
Total Dissolved Solids	mg/L	0599	WL	08/23/2007	0001	9.4	-	10.4	2000		#	40	
Total Dissolved Solids	mg/L	0600	WL	08/30/2007	0001	28	-	28	18000		#	400	
Total Dissolved Solids	mg/L	0603	WL	08/21/2007	0001	9.2	-	10.2	6400		#	200	
Total Dissolved Solids	mg/L	0604	WL	08/21/2007	0001	7.3	-	8.3	3100		#	80	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Total Dissolved Solids	mg/L	0605	WL	08/21/2007	0001	9.4	-	10.4	2000		#	80	
Total Dissolved Solids	mg/L	0606	WL	08/22/2007	0001	9.3	-	10.3	2100		#	80	
Total Dissolved Solids	mg/L	0607	WL	08/22/2007	0001	9.6	-	10.6	2900		#	80	
Total Dissolved Solids	mg/L	0608	WL	08/22/2007	0001	8.9	-	9.9	1600		#	40	
Total Dissolved Solids	mg/L	0611	WL	08/22/2007	0001	2.2	-	3.2	760		#	20	
Total Dissolved Solids	mg/L	0612	WL	08/22/2007	0001	4.3	-	5.3	770		#	20	
Total Dissolved Solids	mg/L	0614	WL	08/21/2007	0001	5.1	-	6.1	4100		#	80	
Total Dissolved Solids	mg/L	0615	WL	08/21/2007	0001	1.4	-	2.4	750		#	20	
Total Dissolved Solids	mg/L	0616	WL	08/21/2007	0001	5.3	-	6.3	680		#	20	
Total Dissolved Solids	mg/L	0617	WL	08/23/2007	0001	1.7	-	2.7	1600		#	40	
Total Dissolved Solids	mg/L	0618	WL	08/23/2007	0001	5.3	-	6.3	1400		#	40	
Total Dissolved Solids	mg/L	0670	WL	08/21/2007	0001	15.9	-	45.9	2400		#	40	
Total Dissolved Solids	mg/L	0671	WL	08/21/2007	0001	14.4	-	44.4	2200		#	40	
Total Dissolved Solids	mg/L	0672	WL	08/21/2007	0001	15	-	45	2700		#	80	
Total Dissolved Solids	mg/L	0673	WL	08/21/2007	0001	16.3	-	46.3	2200		#	80	
Total Dissolved Solids	mg/L	0674	WL	08/21/2007	0001	15.1	-	45.1	2200		#	40	
Total Dissolved Solids	mg/L	0675	WL	08/21/2007	0001	16	-	46	2300		#	40	
Total Dissolved Solids	mg/L	0676	WL	08/21/2007	0001	15.9	-	45.9	3200		#	80	
Total Dissolved Solids	mg/L	0677	WL	08/21/2007	0001	15.2	-	45.2	2100		#	40	
Total Dissolved Solids	mg/L	0678	WL	08/21/2007	0001	16.3	-	46.3	2100		#	40	
Total Dissolved Solids	mg/L	0679	WL	08/21/2007	0001	15	-	45	2500		#	40	
Total Dissolved Solids	mg/L	0680	WL	08/28/2007	0001	18	-	18	9700		#	200	
Total Dissolved Solids	mg/L	0681	WL	08/28/2007	0001	18	-	18	10000		#	200	
Total Dissolved Solids	mg/L	0682	WL	08/28/2007	0001	28	-	28	13000		#	200	
Total Dissolved Solids	mg/L	0682	WL	08/28/2007	0002	28	-	28	14000		#	200	
Total Dissolved Solids	mg/L	0683	WL	08/28/2007	0001	27	-	27	7400		#	200	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Total Dissolved Solids	mg/L	0684	WL	08/28/2007	0001	18	-	18	1800		#	80	
Total Dissolved Solids	mg/L	0685	WL	08/27/2007	0001	28	-	28	670		#	40	
Total Dissolved Solids	mg/L	0686	WL	08/28/2007	0001	18	-	18	2100		#	80	
Total Dissolved Solids	mg/L	0687	WL	08/28/2007	0001	28	-	28	7600		#	200	
Total Dissolved Solids	mg/L	0688	WL	08/28/2007	0001	39	-	39	15000		#	200	
Total Dissolved Solids	mg/L	0689	WL	08/28/2007	0001	54	-	54	45000		#	2000	
Total Dissolved Solids	mg/L	0690	WL	08/29/2007	0001	3.3	-	4.3	7400		#	200	
Total Dissolved Solids	mg/L	0691	WL	08/29/2007	0001	6.5	-	7.5	11000		#	200	
Total Dissolved Solids	mg/L	0692	WL	08/29/2007	0001	9.7	-	10.1	9700		#	200	
Total Dissolved Solids	mg/L	0693	WL	08/29/2007	0001	2	-	3	6900		#	200	
Total Dissolved Solids	mg/L	0694	WL	08/29/2007	0001	4.3	-	5.3	9100		#	200	
Total Dissolved Solids	mg/L	0695	WL	08/29/2007	0001	9.3	-	10.3	12000		#	200	
Total Dissolved Solids	mg/L	0696	WL	08/29/2007	0001	1.3	-	2.3	3200		#	80	
Total Dissolved Solids	mg/L	0697	WL	08/29/2007	0001	4.3	-	5.3	15000		#	400	
Total Dissolved Solids	mg/L	0724	WL	08/23/2007	0001	2.4	-	3.4	2500		#	40	
Total Dissolved Solids	mg/L	0725	WL	08/23/2007	0001	4.6	-	5.6	1100		#	20	
Total Dissolved Solids	mg/L	0726	WL	08/23/2007	0001	9.7	-	10.3	810		#	20	
Total Dissolved Solids	mg/L	0730	WL	08/27/2007	0001	18	-	18	580		#	40	
Total Dissolved Solids	mg/L	0731	WL	08/27/2007	0001	18	-	18	700		#	40	
Total Dissolved Solids	mg/L	0732	WL	08/27/2007	0001	18	-	18	860		#	40	
Total Dissolved Solids	mg/L	0733	WL	08/24/2007	0001	18	-	18	1000		#	20	
Total Dissolved Solids	mg/L	0770	WL	08/20/2007	0001	14.9	-	34.8	25000		#	400	
Total Dissolved Solids	mg/L	0771	WL	08/20/2007	0001	15	-	34.9	26000		#	400	
Total Dissolved Solids	mg/L	0772	WL	08/20/2007	0001	15.15	-	35.0 5	6000		#	200	
Total Dissolved Solids	mg/L	0773	WL	08/20/2007	0001	15.15	-	35.0 5	22000		#	400	
Total Dissolved Solids	mg/L	0774	WL	08/20/2007	0001	15.5	-	35.4	19000		#	400	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Total Dissolved Solids	mg/L	0775	WL	08/20/2007	0001	15.1	-	35	25000		#	1000	
Total Dissolved Solids	mg/L	0776	WL	08/20/2007	0001	15.15	-	35.0 5	30000		#	1000	
Total Dissolved Solids	mg/L	0777	WL	08/20/2007	0001	15.3	-	35.2	19000		#	400	
Total Dissolved Solids	mg/L	0778	WL	08/20/2007	0001	15.1	-	35	19000		#	400	
Total Dissolved Solids	mg/L	0779	WL	08/20/2007	0001	15.66	-	35.5 6	40000		#	2000	
Total Dissolved Solids	mg/L	0780	WL	09/05/2007	0001	28	-	28	20000		#	400	
Total Dissolved Solids	mg/L	0781	WL	09/05/2007	0001	46	-	46	80000		#	2000	
Total Dissolved Solids	mg/L	0782	WL	09/05/2007	0001	33	-	33	90000		#	2000	
Total Dissolved Solids	mg/L	0785	WL	09/05/2007	0001	18	-	18	780		#	20	
Total Dissolved Solids	mg/L	0785	WL	09/05/2007	0002	18	-	18	790		#	20	
Total Dissolved Solids	mg/L	0786	WL	09/05/2007	0001	28	-	28	27000		#	400	
Total Dissolved Solids	mg/L	0787	WL	09/05/2007	0001	38	-	38	89000		#	2000	
Total Dissolved Solids	mg/L	0790	WL	09/04/2007	0001	2	-	3	700		#	20	
Total Dissolved Solids	mg/L	0791	WL	09/04/2007	0001	4.3	-	5.3	730		#	20	
Total Dissolved Solids	mg/L	0792	WL	09/04/2007	0001	9.3	-	10.3	7600		#	200	
Total Dissolved Solids	mg/L	0793	WL	09/04/2007	0001	2	-	3	790		#	20	
Total Dissolved Solids	mg/L	SMI-PW01	WL	09/06/2007	0001	40	-	40	11000		#	200	
Total Dissolved Solids	mg/L	SMI-PW01	WL	09/06/2007	0002	40	-	40	12000		#	200	
Total Dissolved Solids	mg/L	SMI-PZ1D	BH	09/06/2007	0001	0	-	0	68000		#	2000	
Total Dissolved Solids	mg/L	SMI-PZ1M	WL	09/06/2007	0001	57	-	57	20000		#	400	
Total Dissolved Solids	mg/L	SMI-PZ1M	WL	09/06/2007	0002	57	-	57	20000		#	400	
Total Dissolved Solids	mg/L	SMI-PZ1S	WL	09/06/2007	0001	18	-	18	8400		#	200	
Turbidity	NTU	0239	SL	08/21/2007	0001	0	-	0	244		#		
Turbidity	NTU	0243	SL	08/23/2007	0001	0	-	0	514		#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)			Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Turbidity	NTU	0245	SL	08/22/2007	0001	0	-	0	235			#		
Turbidity	NTU	0274	SL	09/05/2007	0001	0	-	0	100			#		
Turbidity	NTU	0401	WL	08/30/2007	0001	18	-	18	6.54			#		
Turbidity	NTU	0403	WL	08/30/2007	0001	18	-	18	4.63			#		
Turbidity	NTU	0404	WL	08/28/2007	0001	18	-	18	0.58			#		
Turbidity	NTU	0405	WL	08/24/2007	0001	18	-	18	3.51			#		
Turbidity	NTU	0407	WL	08/30/2007	0001	18	-	18	2.49			#		
Turbidity	NTU	0408	WL	08/30/2007	0001	26	-	26	6.11			#		
Turbidity	NTU	0470	WL	08/20/2007	0001	10.3	-	19.7	5.55			#		
Turbidity	NTU	0471	WL	08/20/2007	0001	10.3	-	19.7	0.95			#		
Turbidity	NTU	0472	WL	08/20/2007	0001	10.3	-	19.7	0.72			#		
Turbidity	NTU	0473	WL	08/20/2007	0001	10.3	-	19.7	1.21			#		
Turbidity	NTU	0474	WL	08/20/2007	0001	10.3	-	19.7	0.48			#		
Turbidity	NTU	0475	WL	08/20/2007	0001	10.3	-	19.7	0.63			#		
Turbidity	NTU	0476	WL	08/20/2007	0001	10.3	-	19.7	0.68			#		
Turbidity	NTU	0477	WL	08/20/2007	0001	10.3	-	19.7	3.69			#		
Turbidity	NTU	0478	WL	08/20/2007	0001	9.6	-	23.9	4.17			#		
Turbidity	NTU	0479	WL	08/20/2007	0001	9.3	-	23.6	2.05			#		
Turbidity	NTU	0480	WL	09/05/2007	0001	18	-	18	0.98			#		
Turbidity	NTU	0481	WL	09/05/2007	0001	28	-	28	1.69			#		
Turbidity	NTU	0482	WL	09/05/2007	0001	58	-	58	3.91			#		
Turbidity	NTU	0483	WL	09/04/2007	0001	18	-	18	1.69			#		
Turbidity	NTU	0484	WL	09/05/2007	0001	28	-	28	3.1			#		
Turbidity	NTU	0485	WL	09/04/2007	0001	58	-	58	6.34			#		
Turbidity	NTU	0488	WL	08/24/2007	0001	39	-	39	2.81			#		
Turbidity	NTU	0493	WL	08/24/2007	0001	54	-	54	3.79			#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)			Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Turbidity	NTU	0496	WL	08/23/2007	0001	2.2	-	3.2	91.6			#		
Turbidity	NTU	0547	TS	09/06/2007	0001	0	-	0	6.38			#		
Turbidity	NTU	0548	TS	09/06/2007	0001	0	-	0	9.29			#		
Turbidity	NTU	0552	WL	09/05/2007	0001	18	-	18	5.06			#		
Turbidity	NTU	0555	WL	08/30/2007	0001	18	-	18	7.36			#		
Turbidity	NTU	0557	WL	09/05/2007	0001	40	-	40	1.2			#		
Turbidity	NTU	0558	WL	08/30/2007	0001	36	-	36	3.82			#		
Turbidity	NTU	0559	WL	09/04/2007	0001	19	-	19	3.43			#		
Turbidity	NTU	0560	WL	09/04/2007	0001	31	-	31	5.61			#		
Turbidity	NTU	0561	WL	09/04/2007	0001	50	-	50	7.02			#		
Turbidity	NTU	0562	WL	08/22/2007	0001	1.3	-	2.3	22.9			#		
Turbidity	NTU	0563	WL	08/22/2007	0001	4.6	-	5.6	58.1			#		
Turbidity	NTU	0564	WL	08/22/2007	0001	1.2	-	2.2	92.3			#		
Turbidity	NTU	0565	WL	08/22/2007	0001	4	-	5	102			#		
Turbidity	NTU	0570	WL	08/20/2007	0001	15	-	30	2.05			#		
Turbidity	NTU	0571	WL	08/20/2007	0001	25	-	40	8.33			#		
Turbidity	NTU	0572	WL	08/21/2007	0001	15	-	30	3.98			#		
Turbidity	NTU	0573	WL	08/21/2007	0001	25	-	40	2.34			#		
Turbidity	NTU	0574	WL	08/21/2007	0001	15	-	30	4.45			#		
Turbidity	NTU	0577	WL	08/21/2007	0001	25	-	40	9.94			#		
Turbidity	NTU	0578	WL	08/21/2007	0001	15	-	30	4.17			#		
Turbidity	NTU	0579	WL	08/21/2007	0001	25	-	40	5.47			#		
Turbidity	NTU	0581	WL	08/30/2007	0001	18	-	18	4.82			#		
Turbidity	NTU	0582	WL	08/30/2007	0001	18	-	18	2.51			#		
Turbidity	NTU	0583	WL	08/30/2007	0001	18	-	18	1.65			#		
Turbidity	NTU	0584	WL	08/30/2007	0001	18	-	18	1.93			#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Turbidity	NTU	0585	WL	08/30/2007	0001	18	-	18	1.96		#		
Turbidity	NTU	0586	WL	08/28/2007	0001	18	-	18	0.62		#		
Turbidity	NTU	0587	WL	08/30/2007	0001	18	-	18	1.29		#		
Turbidity	NTU	0588	WL	08/30/2007	0001	34	-	34	2.57		#		
Turbidity	NTU	0589	WL	08/30/2007	0001	52	-	52	2.07		#		
Turbidity	NTU	0591	WL	08/21/2007	0001	3.9	-	4.9	21.7		#		
Turbidity	NTU	0596	WL	09/04/2007	0001	24	-	24	3.56		#		
Turbidity	NTU	0597	WL	08/23/2007	0001	9.3	-	10.3	3.58		#		
Turbidity	NTU	0598	WL	08/23/2007	0001	9.1	-	10.1	19.4		#		
Turbidity	NTU	0599	WL	08/23/2007	0001	9.4	-	10.4	78		#		
Turbidity	NTU	0600	WL	08/30/2007	0001	28	-	28	7.69		#		
Turbidity	NTU	0603	WL	08/21/2007	0001	9.2	-	10.2	4.02		#		
Turbidity	NTU	0604	WL	08/21/2007	0001	7.3	-	8.3	95.1		#		
Turbidity	NTU	0605	WL	08/21/2007	0001	9.4	-	10.4	263		#		
Turbidity	NTU	0606	WL	08/22/2007	0001	9.3	-	10.3	86.8		#		
Turbidity	NTU	0608	WL	08/22/2007	0001	8.9	-	9.9	90.2		#		
Turbidity	NTU	0611	WL	08/22/2007	0001	2.2	-	3.2	17.9		#		
Turbidity	NTU	0612	WL	08/22/2007	0001	4.3	-	5.3	46.5		#		
Turbidity	NTU	0614	WL	08/21/2007	0001	5.1	-	6.1	145		#		
Turbidity	NTU	0616	WL	08/21/2007	0001	5.3	-	6.3	27.3		#		
Turbidity	NTU	0617	WL	08/23/2007	0001	1.7	-	2.7	208		#		
Turbidity	NTU	0618	WL	08/23/2007	0001	5.3	-	6.3	7.05		#		
Turbidity	NTU	0670	WL	08/21/2007	0001	15.9	-	45.9	3.12		#		
Turbidity	NTU	0671	WL	08/21/2007	0001	14.4	-	44.4	8.71		#		
Turbidity	NTU	0672	WL	08/21/2007	0001	15	-	45	4.77		#		
Turbidity	NTU	0673	WL	08/21/2007	0001	16.3	-	46.3	3.93		#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Turbidity	NTU	0674	WL	08/21/2007	0001	15.1	-	45.1	5.95		#		
Turbidity	NTU	0675	WL	08/21/2007	0001	16	-	46	3.29		#		
Turbidity	NTU	0676	WL	08/21/2007	0001	15.9	-	45.9	5.16		#		
Turbidity	NTU	0677	WL	08/21/2007	0001	15.2	-	45.2	7.53		#		
Turbidity	NTU	0678	WL	08/21/2007	0001	16.3	-	46.3	4.43		#		
Turbidity	NTU	0679	WL	08/21/2007	0001	15	-	45	7.65		#		
Turbidity	NTU	0680	WL	08/28/2007	0001	18	-	18	2.31		#		
Turbidity	NTU	0681	WL	08/28/2007	0001	18	-	18	9.04		#		
Turbidity	NTU	0682	WL	08/28/2007	0001	28	-	28	1.21		#		
Turbidity	NTU	0683	WL	08/28/2007	0001	27	-	27	1.13		#		
Turbidity	NTU	0684	WL	08/28/2007	0001	18	-	18	2.66		#		
Turbidity	NTU	0685	WL	08/27/2007	0001	28	-	28	1.88		#		
Turbidity	NTU	0686	WL	08/28/2007	0001	18	-	18	5.16		#		
Turbidity	NTU	0687	WL	08/28/2007	0001	28	-	28	3.11		#		
Turbidity	NTU	0688	WL	08/28/2007	0001	31	-	31	0.84		#		
Turbidity	NTU	0688	WL	08/28/2007	0001	39	-	39	1.21		#		
Turbidity	NTU	0689	WL	08/28/2007	0001	46	-	46	3.26		#		
Turbidity	NTU	0689	WL	08/28/2007	0001	54	-	54	5.04		#		
Turbidity	NTU	0690	WL	08/29/2007	0001	3.3	-	4.3	104		#		
Turbidity	NTU	0692	WL	08/29/2007	0001	9.7	-	10.1	104		#		
Turbidity	NTU	0693	WL	08/29/2007	0001	2	-	3	751		#		
Turbidity	NTU	0694	WL	08/29/2007	0001	4.3	-	5.3	197		#		
Turbidity	NTU	0695	WL	08/29/2007	0001	9.3	-	10.3	59		#		
Turbidity	NTU	0696	WL	08/29/2007	0001	1.3	-	2.3	5.89		#		
Turbidity	NTU	0697	WL	08/29/2007	0001	4.3	-	5.3	46.6		#		
Turbidity	NTU	0698	WL	08/30/2007	0001	9.9	-	10.3	68.2		#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Turbidity	NTU	0724	WL	08/23/2007	0001	2.4	-	3.4	158		#		
Turbidity	NTU	0725	WL	08/23/2007	0001	4.6	-	5.6	58.5		#		
Turbidity	NTU	0726	WL	08/23/2007	0001	9.7	-	10.3	221		#		
Turbidity	NTU	0730	WL	08/27/2007	0001	18	-	18	1.98		#		
Turbidity	NTU	0731	WL	08/27/2007	0001	18	-	18	2.11		#		
Turbidity	NTU	0732	WL	08/27/2007	0001	18	-	18	0.85		#		
Turbidity	NTU	0733	WL	08/24/2007	0001	18	-	18	1.35		#		
Turbidity	NTU	0770	WL	08/20/2007	0001	14.9	-	34.8	2.72		#		
Turbidity	NTU	0771	WL	08/20/2007	0001	15	-	34.9	0.11		#		
Turbidity	NTU	0772	WL	08/20/2007	0001	15.15	-	35.0 5	0.51		#		
Turbidity	NTU	0773	WL	08/20/2007	0001	15.15	-	35.0 5	0.19		#		
Turbidity	NTU	0774	WL	08/20/2007	0001	15.5	-	35.4	1.72		#		
Turbidity	NTU	0775	WL	08/20/2007	0001	15.1	-	35	1.67		#		
Turbidity	NTU	0776	WL	08/20/2007	0001	15.15	-	35.0 5	3.99		#		
Turbidity	NTU	0777	WL	08/20/2007	0001	15.3	-	35.2	1.25		#		
Turbidity	NTU	0778	WL	08/20/2007	0001	15.1	-	35	3.17		#		
Turbidity	NTU	0779	WL	08/20/2007	0001	15.66	-	35.5 6	2.79		#		
Turbidity	NTU	0780	WL	09/05/2007	0001	28	-	28	1.21		#		
Turbidity	NTU	0781	WL	09/05/2007	0001	46	-	46	1.55		#		
Turbidity	NTU	0782	WL	09/05/2007	0001	33	-	33	1.93		#		
Turbidity	NTU	0785	WL	09/05/2007	0001	18	-	18	3.35		#		
Turbidity	NTU	0786	WL	09/05/2007	0001	28	-	28	2.49		#		
Turbidity	NTU	0787	WL	09/05/2007	0001	38	-	38	2.07		#		
Turbidity	NTU	0790	WL	09/04/2007	0001	2	-	3	4.55		#		
Turbidity	NTU	0791	WL	09/04/2007	0001	4.3	-	5.3	2.61		#		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)			Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Turbidity	NTU	0792	WL	09/04/2007	0001	9.3	-	10.3	204			#		
Turbidity	NTU	0793	WL	09/04/2007	0001	2	-	3	23.8			#		
Turbidity	NTU	SMI-PW01	WL	09/06/2007	0001	40	-	40	5.8			#		
Turbidity	NTU	SMI-PZ1D	BH	09/06/2007	0001	0	-	0	2.96			#		
Turbidity	NTU	SMI-PZ1M	WL	09/06/2007	0001	57	-	57	1.17			#		
Turbidity	NTU	SMI-PZ1S	WL	09/06/2007	0001	18	-	18	3.48			#		
Uranium	mg/L	0239	SL	08/21/2007	0001	0	-	0	0.011	J	#	5.9E-006		
Uranium	mg/L	0243	SL	08/23/2007	0001	0	-	0	0.021	J	#	5.9E-006		
Uranium	mg/L	0245	SL	08/22/2007	0001	0	-	0	0.012	J	#	5.9E-006		
Uranium	mg/L	0259	SL	08/29/2007	0001	0	-	0	0.0095	J	#	5.9E-006		
Uranium	mg/L	0274	SL	09/04/2007	0001	0	-	0	0.01	J	#	5.9E-006		
Uranium	mg/L	0274	SL	09/05/2007	0001	0	-	0	0.0097	J	#	5.9E-006		
Uranium	mg/L	0401	WL	08/30/2007	0001	18	-	18	2.8	J	#	0.0003		
Uranium	mg/L	0403	WL	08/30/2007	0001	18	-	18	3.1	J	#	0.0003		
Uranium	mg/L	0404	WL	08/28/2007	0001	18	-	18	1.3	J	#	0.0003		
Uranium	mg/L	0405	WL	08/24/2007	0001	18	-	18	0.11	J	#	5.9E-005		
Uranium	mg/L	0407	WL	08/30/2007	0001	18	-	18	0.084	J	#	5.9E-006		
Uranium	mg/L	0408	WL	08/30/2007	0001	26	-	26	3	J	#	0.0003		
Uranium	mg/L	0470	WL	08/20/2007	0001	10.3	-	19.7	1.1	J	#	0.0003		
Uranium	mg/L	0471	WL	08/20/2007	0001	10.3	-	19.7	1.4	J	#	0.0003		
Uranium	mg/L	0472	WL	08/20/2007	0001	10.3	-	19.7	0.87	J	#	0.0003		
Uranium	mg/L	0473	WL	08/20/2007	0001	10.3	-	19.7	1	J	#	0.0003		
Uranium	mg/L	0474	WL	08/20/2007	0001	10.3	-	19.7	1.3	J	#	0.0003		
Uranium	mg/L	0475	WL	08/20/2007	0001	10.3	-	19.7	1.8	J	#	0.0003		
Uranium	mg/L	0476	WL	08/20/2007	0001	10.3	-	19.7	2.2	J	#	0.0003		

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Uranium	mg/L	0477	WL	08/20/2007	0001	10.3	-	19.7	2.3	J	#	0.0003	
Uranium	mg/L	0478	WL	08/20/2007	0001	9.6	-	23.9	2.5	J	#	0.0003	
Uranium	mg/L	0479	WL	08/20/2007	0001	9.3	-	23.6	2.2	J	#	0.0003	
Uranium	mg/L	0479	WL	08/20/2007	0002	9.3	-	23.6	2.3	J	#	0.0003	
Uranium	mg/L	0480	WL	09/05/2007	0001	18	-	18	3.1	J	#	0.00059	
Uranium	mg/L	0481	WL	09/05/2007	0001	28	-	28	3.2	J	#	0.0003	
Uranium	mg/L	0482	WL	09/05/2007	0001	58	-	58	0.6	J	#	0.00012	
Uranium	mg/L	0483	WL	09/04/2007	0001	18	-	18	2.8	J	#	0.00059	
Uranium	mg/L	0484	WL	09/05/2007	0001	28	-	28	3	J	#	0.00059	
Uranium	mg/L	0485	WL	09/04/2007	0001	58	-	58	0.45	J	#	3.E-005	
Uranium	mg/L	0488	WL	08/24/2007	0001	39	-	39	2.1	J	#	0.00059	
Uranium	mg/L	0493	WL	08/24/2007	0001	54	-	54	2.5	J	#	0.0003	
Uranium	mg/L	0493	WL	08/24/2007	0002	54	-	54	0.24	J	#	5.9E-005	
Uranium	mg/L	0495	WL	08/23/2007	0001	4.6	-	5.6	1.3	J	#	0.0003	
Uranium	mg/L	0496	WL	08/23/2007	0001	2.2	-	3.2	0.57	J	#	0.0003	
Uranium	mg/L	0547	TS	09/06/2007	0001	0	-	0	2	J	#	0.00059	
Uranium	mg/L	0547	TS	09/06/2007	0002	0	-	0	1.9	J	#	0.0003	
Uranium	mg/L	0548	TS	09/06/2007	0001	0	-	0	2	J	#	0.00059	
Uranium	mg/L	0552	WL	09/05/2007	0001	18	-	18	2.9	J	#	0.0003	
Uranium	mg/L	0552	WL	09/05/2007	0002	18	-	18	2.9	J	#	0.0003	
Uranium	mg/L	0555	WL	08/30/2007	0001	18	-	18	2.5	J	#	0.0003	
Uranium	mg/L	0557	WL	09/05/2007	0001	40	-	40	3.3	J	#	0.0003	
Uranium	mg/L	0558	WL	08/30/2007	0001	36	-	36	1.6	J	#	0.0003	
Uranium	mg/L	0559	WL	09/04/2007	0001	19	-	19	1.8	J	#	0.0003	
Uranium	mg/L	0560	WL	09/04/2007	0001	31	-	31	1.6	J	#	0.0003	
Uranium	mg/L	0561	WL	09/04/2007	0001	50	-	50	0.71	J	#	0.00012	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)	Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Uranium	mg/L	0562	WL	08/22/2007	0001	1.3	-	2.3	0.032	J	#	3.E-005
Uranium	mg/L	0563	WL	08/22/2007	0001	4.6	-	5.6	0.12	J	#	3.E-005
Uranium	mg/L	0564	WL	08/22/2007	0001	1.2	-	2.2	0.0081	J	#	5.9E-006
Uranium	mg/L	0565	WL	08/22/2007	0001	4	-	5	0.011	J	#	5.9E-006
Uranium	mg/L	0570	WL	08/20/2007	0001	15	-	30	2.6	J	#	0.0003
Uranium	mg/L	0571	WL	08/20/2007	0001	25	-	40	1.5	J	#	0.0003
Uranium	mg/L	0572	WL	08/21/2007	0001	15	-	30	2.6	J	#	0.0003
Uranium	mg/L	0573	WL	08/21/2007	0001	25	-	40	2.6	J	#	0.0003
Uranium	mg/L	0574	WL	08/21/2007	0001	15	-	30	2.9	J	#	0.0003
Uranium	mg/L	0577	WL	08/21/2007	0001	25	-	40	2.6	J	#	0.0003
Uranium	mg/L	0578	WL	08/21/2007	0001	15	-	30	3.2	J	#	0.0003
Uranium	mg/L	0579	WL	08/21/2007	0001	25	-	40	2.4	J	#	0.0003
Uranium	mg/L	0581	WL	08/30/2007	0001	18	-	18	2.2	J	#	0.0003
Uranium	mg/L	0582	WL	08/30/2007	0001	18	-	18	2.8	J	#	0.0003
Uranium	mg/L	0583	WL	08/30/2007	0001	18	-	18	2.5	J	#	0.0003
Uranium	mg/L	0584	WL	08/30/2007	0001	18	-	18	2.9	J	#	0.0003
Uranium	mg/L	0585	WL	08/30/2007	0001	18	-	18	2.6	J	#	0.0003
Uranium	mg/L	0586	WL	08/28/2007	0001	18	-	18	2.5	J	#	0.0003
Uranium	mg/L	0587	WL	08/30/2007	0001	18	-	18	3	J	#	0.0003
Uranium	mg/L	0588	WL	08/30/2007	0001	34	-	34	2.9	J	#	0.0003
Uranium	mg/L	0588	WL	08/30/2007	0002	34	-	34	3	J	#	0.0003
Uranium	mg/L	0589	WL	08/30/2007	0001	52	-	52	0.79	J	#	5.9E-005
Uranium	mg/L	0590	WL	08/21/2007	0001	1	-	2	1.1	J	#	0.0003
Uranium	mg/L	0591	WL	08/21/2007	0001	3.9	-	4.9	0.77	J	#	0.00012
Uranium	mg/L	0596	WL	09/04/2007	0001	24	-	24	1.2	J	#	0.0003
Uranium	mg/L	0597	WL	08/23/2007	0001	9.3	-	10.3	0.12	J	#	5.9E-005

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)	Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty	
Uranium	mg/L	0598	WL	08/23/2007	0001	9.1	-	10.1	0.29	J	#	0.00012	
Uranium	mg/L	0599	WL	08/23/2007	0001	9.4	-	10.4	0.64	J	#	0.0003	
Uranium	mg/L	0600	WL	08/30/2007	0001	28	-	28	3.3	J	#	0.0003	
Uranium	mg/L	0603	WL	08/21/2007	0001	9.2	-	10.2	1	J	#	0.00012	
Uranium	mg/L	0604	WL	08/21/2007	0001	7.3	-	8.3	0.58	J	#	0.0003	
Uranium	mg/L	0605	WL	08/21/2007	0001	9.4	-	10.4	0.43	J	#	0.00012	
Uranium	mg/L	0606	WL	08/22/2007	0001	9.3	-	10.3	0.36	J	#	0.00012	
Uranium	mg/L	0607	WL	08/22/2007	0001	9.6	-	10.6	0.31	J	#	5.9E-005	
Uranium	mg/L	0608	WL	08/22/2007	0001	8.9	-	9.9	0.27	J	#	5.9E-005	
Uranium	mg/L	0611	WL	08/22/2007	0001	2.2	-	3.2	1.9E-005	B	J	#	5.9E-006
Uranium	mg/L	0612	WL	08/22/2007	0001	4.3	-	5.3	5.9E-006	U	J	#	5.9E-006
Uranium	mg/L	0614	WL	08/21/2007	0001	5.1	-	6.1	1	J	#	0.0003	
Uranium	mg/L	0615	WL	08/21/2007	0001	1.4	-	2.4	5.9E-006	U	J	#	5.9E-006
Uranium	mg/L	0616	WL	08/21/2007	0001	5.3	-	6.3	5.9E-006	U	J	#	5.9E-006
Uranium	mg/L	0617	WL	08/23/2007	0001	1.7	-	2.7	0.52	J	#	0.0003	
Uranium	mg/L	0618	WL	08/23/2007	0001	5.3	-	6.3	0.4	J	#	0.0003	
Uranium	mg/L	0670	WL	08/21/2007	0001	15.9	-	45.9	0.35	J	#	5.9E-005	
Uranium	mg/L	0671	WL	08/21/2007	0001	14.4	-	44.4	0.31	J	#	5.9E-005	
Uranium	mg/L	0672	WL	08/21/2007	0001	15	-	45	0.46	J	#	5.9E-005	
Uranium	mg/L	0673	WL	08/21/2007	0001	16.3	-	46.3	0.3	J	#	5.9E-005	
Uranium	mg/L	0674	WL	08/21/2007	0001	15.1	-	45.1	0.33	J	#	3.E-005	
Uranium	mg/L	0675	WL	08/21/2007	0001	16	-	46	0.33	J	#	5.9E-005	
Uranium	mg/L	0676	WL	08/21/2007	0001	15.9	-	45.9	0.53	J	#	0.00012	
Uranium	mg/L	0677	WL	08/21/2007	0001	15.2	-	45.2	0.3	J	#	5.9E-005	
Uranium	mg/L	0678	WL	08/21/2007	0001	16.3	-	46.3	0.31	J	#	3.E-005	
Uranium	mg/L	0679	WL	08/21/2007	0001	15	-	45	0.36	J	#	3.E-005	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)	Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Uranium	mg/L	0680	WL	08/28/2007	0001	18	- 18	2.6	J	#	0.0003	
Uranium	mg/L	0681	WL	08/28/2007	0001	18	- 18	3	J	#	0.0003	
Uranium	mg/L	0682	WL	08/28/2007	0001	28	- 28	2.2	J	#	0.0003	
Uranium	mg/L	0682	WL	08/28/2007	0002	28	- 28	2.1	J	#	0.0003	
Uranium	mg/L	0683	WL	08/28/2007	0001	27	- 27	1.4	J	#	0.0003	
Uranium	mg/L	0684	WL	08/28/2007	0001	18	- 18	0.49	J	#	0.00012	
Uranium	mg/L	0685	WL	08/27/2007	0001	28	- 28	0.13	J	#	3.E-005	
Uranium	mg/L	0686	WL	08/28/2007	0001	18	- 18	0.15	J	#	3.E-005	
Uranium	mg/L	0687	WL	08/28/2007	0001	28	- 28	1.5	J	#	0.0003	
Uranium	mg/L	0688	WL	08/28/2007	0001	39	- 39	2.4	J	#	0.0003	
Uranium	mg/L	0689	WL	08/28/2007	0001	54	- 54	2.7	J	#	0.0003	
Uranium	mg/L	0690	WL	08/29/2007	0001	3.3	- 4.3	2.7	J	#	0.0003	
Uranium	mg/L	0691	WL	08/29/2007	0001	6.5	- 7.5	1.7	J	#	0.0003	
Uranium	mg/L	0692	WL	08/29/2007	0001	9.7	- 10.1	1.5	J	#	0.0003	
Uranium	mg/L	0693	WL	08/29/2007	0001	2	- 3	0.86	J	#	0.00012	
Uranium	mg/L	0694	WL	08/29/2007	0001	4.3	- 5.3	1.3	J	#	0.0003	
Uranium	mg/L	0695	WL	08/29/2007	0001	9.3	- 10.3	1.5	J	#	0.0003	
Uranium	mg/L	0696	WL	08/29/2007	0001	1.3	- 2.3	0.47	J	#	0.00012	
Uranium	mg/L	0697	WL	08/29/2007	0001	4.3	- 5.3	2.2	J	#	0.0003	
Uranium	mg/L	0698	WL	08/30/2007	0001	9.9	- 10.3	1.1	J	#	0.0003	
Uranium	mg/L	0724	WL	08/23/2007	0001	2.4	- 3.4	0.028	J	#	5.9E-006	
Uranium	mg/L	0725	WL	08/23/2007	0001	4.6	- 5.6	0.11	J	#	5.9E-005	
Uranium	mg/L	0726	WL	08/23/2007	0001	9.7	- 10.3	0.12	J	#	5.9E-005	
Uranium	mg/L	0730	WL	08/27/2007	0001	18	- 18	0.045	J	#	5.9E-006	
Uranium	mg/L	0731	WL	08/27/2007	0001	18	- 18	0.022	J	#	5.9E-006	
Uranium	mg/L	0732	WL	08/27/2007	0001	18	- 18	0.033	J	#	5.9E-006	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)		Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Uranium	mg/L	0733	WL	08/24/2007	0001	18	-	18	0.063	J	#	5.9E-005	
Uranium	mg/L	0770	WL	08/20/2007	0001	14.9	-	34.8	0.96	J	#	0.00012	
Uranium	mg/L	0771	WL	08/20/2007	0001	15	-	34.9	0.86	J	#	5.9E-005	
Uranium	mg/L	0772	WL	08/20/2007	0001	15.15	-	35.0 5	0.86	J	#	0.0003	
Uranium	mg/L	0773	WL	08/20/2007	0001	15.15	-	35.0 5	1.3	J	#	0.0003	
Uranium	mg/L	0774	WL	08/20/2007	0001	15.5	-	35.4	1.7	J	#	0.0003	
Uranium	mg/L	0775	WL	08/20/2007	0001	15.1	-	35	2.5	J	#	0.0003	
Uranium	mg/L	0776	WL	08/20/2007	0001	15.15	-	35.0 5	1	J	#	0.0003	
Uranium	mg/L	0777	WL	08/20/2007	0001	15.3	-	35.2	1.1	J	#	0.00012	
Uranium	mg/L	0778	WL	08/20/2007	0001	15.1	-	35	1.2	J	#	0.0003	
Uranium	mg/L	0779	WL	08/20/2007	0001	15.66	-	35.5 6	1	J	#	0.0003	
Uranium	mg/L	0780	WL	09/05/2007	0001	28	-	28	3.4	J	#	0.00059	
Uranium	mg/L	0781	WL	09/05/2007	0001	46	-	46	0.032	J	#	3.E-005	
Uranium	mg/L	0782	WL	09/05/2007	0001	33	-	33	0.3	J	#	0.00012	
Uranium	mg/L	0785	WL	09/05/2007	0001	18	-	18	0.058	J	#	5.9E-006	
Uranium	mg/L	0785	WL	09/05/2007	0002	18	-	18	0.058	J	#	3.E-005	
Uranium	mg/L	0786	WL	09/05/2007	0001	28	-	28	0.61	J	#	0.00012	
Uranium	mg/L	0787	WL	09/05/2007	0001	38	-	38	0.11	J	#	3.E-005	
Uranium	mg/L	0790	WL	09/04/2007	0001	2	-	3	0.014	J	#	5.9E-006	
Uranium	mg/L	0791	WL	09/04/2007	0001	4.3	-	5.3	0.026	J	#	5.9E-006	
Uranium	mg/L	0792	WL	09/04/2007	0001	9.3	-	10.3	0.32	J	#	0.0003	
Uranium	mg/L	0793	WL	09/04/2007	0001	2	-	3	0.0063	J	#	5.9E-006	
Uranium	mg/L	0795	WL	09/05/2007	0001	9.3	-	10.3	0.0076	J	#	5.9E-006	
Uranium	mg/L	SMI-PW01	WL	09/06/2007	0001	40	-	40	1.6	J	#	0.0003	
Uranium	mg/L	SMI-PW01	WL	09/06/2007	0002	40	-	40	1.6	J	#	0.0003	

**General Water Quality Data by Parameter (USEE205) FOR SITE MOA01, Moab Site**

**REPORT DATE: 6/10/2008**

Parameter	Units	Location ID	Location Type	Sample Date	ID	Depth Range (Ft BLS)			Result	Lab	Qualifiers Data	QA	Detection Limit	Uncertainty
Uranium	mg/L	SMI-PZ1D	BH	09/06/2007	0001	0	-	0	1.7		J	#	0.0003	
Uranium	mg/L	SMI-PZ1M	WL	09/06/2007	0001	57	-	57	2.5		J	#	0.00059	
Uranium	mg/L	SMI-PZ1M	WL	09/06/2007	0002	57	-	57	2.5		J	#	0.0003	
Uranium	mg/L	SMI-PZ1S	WL	09/06/2007	0001	18	-	18	1.4		J	#	0.0003	

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

**LAB QUALIFIERS:**

- \* Replicate analysis not within control limits.
- > Result above upper detection limit.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- C Pesticide result confirmed by GC-MS.
- D Analyte determined in diluted sample.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- J Estimated
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- P > 25% difference in detected pesticide or Aroclor concentrations between 2 columns.
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- X,Y,Z Laboratory defined qualifier, see case narrative.

**DATA QUALIFIERS:**

- |                                                      |                                                 |                    |
|------------------------------------------------------|-------------------------------------------------|--------------------|
| F Low flow sampling method used.                     | G Possible grout contamination, pH > 9.         | J Estimated value. |
| L Less than 3 bore volumes purged prior to sampling. | Q Qualitative result due to sampling technique. | R Unusable result. |
| U Parameter analyzed for but was not detected.       | X Location is undefined.                        |                    |

**QA QUALIFIER:**

- # Validated according to quality assurance guidelines.

### **3.4 Water Level Data**

**STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site**  
**REPORT DATE: 6/5/2008**

Location Code	Flow Code	Top of Casing Elevation (Ft)	Measurement Date	Time	Depth From Top of Casing (Ft)	Water Elevation (Ft)	Water Level Flag
0401	O	3969.6	08/30/2007		16.23	3953.37	
0403	O	3968.95	08/30/2007		16.58	3952.37	
0404	O	3968.3	08/28/2007		14.32	3953.98	
0405	O	3968.47	08/24/2007		14.03	3954.44	
0407	O	3969.09	08/30/2007		17.11	3951.98	
0408	O	3969.17	08/30/2007		15.86	3953.31	
0470		3964.12	08/20/2007		13.71	3950.41	
0471		3964.37	08/20/2007		14.48	3949.89	
0472		3964.4	08/20/2007		15.18	3949.22	
0473		3964.66	08/20/2007		14.06	3950.6	
0474		3964.99	08/20/2007		13.72	3951.27	
0475		3964.97	08/20/2007		14.55	3950.42	
0476		3965.24	08/20/2007		15.31	3949.93	
0477		3965.08	08/20/2007		13.99	3951.09	
0478		3964.91	08/20/2007		10.15	3954.76	
0479		3964.67	08/20/2007		14.83	3949.84	
0480		3968.65	09/05/2007		16.81	3951.84	
0481		3968.83	09/05/2007		16.37	3952.46	
0482		3968.7	09/05/2007		17.18	3951.52	
0483		3968.9	09/04/2007		17.06	3951.84	
0484		3969.19	09/05/2007		16.98	3952.21	
0485		3968.81	09/04/2007		17	3951.81	
0488		3968.48	08/24/2007		14.03	3954.45	
0493		3967.89	08/24/2007		13.72	3954.17	
0495		3959.89	08/23/2007		4.98	3954.91	
0496		3956.98	08/23/2007		2.68	3954.3	
0552		3968.4	09/05/2007		16.61	3951.79	

**STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site**  
**REPORT DATE: 6/5/2008**

Location Code	Flow Code	Top of Casing Elevation (Ft)	Measurement Date	Time	Depth From Top of Casing (Ft)	Water Elevation (Ft)	Water Level Flag
0555		3969.31	08/30/2007		16.85	3952.46	
0557		3968.85	09/05/2007		16.05	3952.8	
0558		3968.79	08/30/2007		16.6	3952.19	
0559		3969.92	09/04/2007		17.82	3952.1	
0560		3968.77	09/04/2007		16.61	3952.16	
0561		3968.56	09/04/2007		16.7	3951.86	
0562		3955.37	08/22/2007		3.2	3952.17	
0563		3958.04	08/22/2007		6.02	3952.02	
0564		3956.03	08/22/2007		3.68	3952.35	
0565		3955.47	08/22/2007		3.15	3952.32	
0570		3965.22	08/20/2007		13.78	3951.44	
0571		3964.89	08/20/2007		18.22	3946.67	
0572		3965.14	08/21/2007		26.67	3938.47	
0573		3965.15	08/21/2007		22.71	3942.44	
0574		3965.12	08/21/2007		22.62	3942.5	
0577		3965.1	08/21/2007		26.92	3938.18	
0578		3965.08	08/21/2007		12.35	3952.73	
0579		3965.11	08/21/2007		11.82	3953.29	
0581		3969.02	08/30/2007		16.28	3952.74	
0582		3969.65	08/30/2007		16.9	3952.75	
0583		3969.64	08/30/2007		16.6	3953.04	
0584		3969.13	08/30/2007		15.97	3953.16	
0585		3969.36	08/30/2007		16.22	3953.14	
0586		3969.2	08/28/2007		15.35	3953.85	
0587		3968.89	08/30/2007		15.97	3952.92	
0588		3968.82	08/30/2007		16.09	3952.73	
0589		3968.87	08/30/2007		16.08	3952.79	

**STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site**  
**REPORT DATE: 6/5/2008**

Location Code	Flow Code	Top of Casing Elevation (Ft)	Measurement Date	Time	Depth From Top of Casing (Ft)	Water Elevation (Ft)	Water Level Flag
0590		3956.19	08/21/2007		3.33	3952.86	
0591		3955.2	08/21/2007		2.2	3953	
0596		3968.76	09/04/2007		16.55	3952.21	
0597		3959.11	08/23/2007		4.61	3954.5	
0598		3957.01	08/23/2007		2.68	3954.33	
0599		3956.52	08/23/2007		2.59	3953.93	
0600		3968.77	08/30/2007		15.98	3952.79	
0603		3955.1	08/21/2007		2.08	3953.02	
0604		3958.2	08/21/2007		4.42	3953.78	
0605		3956.92	08/21/2007		3.96	3952.96	
0606		3955.69	08/22/2007		3.42	3952.27	
0607		3955.62	08/22/2007		3.28	3952.34	
0608		3955.71	08/22/2007		3.7	3952.01	
0611		3957.48	08/22/2007		5.26	3952.22	
0612		3955.27	08/22/2007		3	3952.27	
0614		3956.93	08/21/2007		3.91	3953.02	
0615		3956.78	08/21/2007		3.83	3952.95	
0616		3955.97	08/21/2007		3.02	3952.95	
0617		3955.85	08/23/2007		2.13	3953.72	
0618		3955.16	08/23/2007		1.3	3953.86	
0670		3969.54	08/21/2007		16.05	3953.49	
0671		3969.5	08/21/2007		15.96	3953.54	
0672		3969.57	08/21/2007		16.03	3953.54	
0673		3969.44	08/21/2007		15.85	3953.59	
0674		3969.49	08/21/2007		15.7	3953.79	
0675		3969.64	08/21/2007		15.72	3953.92	
0676		3969.69	08/21/2007		15.6	3954.09	

**STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site**  
**REPORT DATE: 6/5/2008**

Location Code	Flow Code	Top of Casing Elevation (Ft)	Measurement Date	Time	Depth From Top of Casing (Ft)	Water Elevation (Ft)	Water Level Flag
0677		3969.61	08/21/2007		15.51	3954.1	
0678		3969.65	08/21/2007		15.36	3954.29	
0679		3969.59	08/21/2007		15.23	3954.36	
0680		3969.8	08/28/2007		16.1	3953.7	
0681		3970.67	08/28/2007		16.69	3953.98	
0682		3970.18	08/28/2007		16.26	3953.92	
0682		3970.18	08/29/2007		4.56	3965.62	
0683		3970.73	08/28/2007		16.7	3954.03	
0684		3970.22	08/28/2007		15.94	3954.28	
0685		3968.76	08/27/2007		14.43	3954.33	
0686		3968.85	08/28/2007		14.7	3954.15	
0687		3969.09	08/28/2007		15.12	3953.97	
0688		3968.66	08/28/2007		14.8	3953.86	
0689		3968.66	08/28/2007		15	3953.66	
0690		3963.83	08/29/2007		5.96	3957.87	
0691		3962.7	08/29/2007		4.89	3957.81	
0693		3956.89	08/29/2007		3.55	3953.34	
0694		3956.45	08/29/2007		2.95	3953.5	
0695		3956.48	08/29/2007		2.95	3953.53	
0696		3956.42	08/29/2007		3.5	3952.92	
0697		3955.71	08/29/2007		2.3	3953.41	
0698		3954.85	08/29/2007		1.65	3953.2	
0724		3959.11	08/23/2007		3.5	3955.61	
0725		3959.95	08/23/2007		4.73	3955.22	
0726		3958.81	08/23/2007		3.96	3954.85	
0730		3967.6	08/27/2007		13.02	3954.58	
0731		3968.77	08/27/2007		14.46	3954.31	

**STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site**  
**REPORT DATE: 6/5/2008**

Location Code	Flow Code	Top of Casing Elevation (Ft)	Measurement Date	Time	Depth From Top of Casing (Ft)	Water Elevation (Ft)	Water Level Flag
0732		3968.99	08/27/2007		14.26	3954.73	
0733		3968.5	08/24/2007		13.3	3955.2	
0770		3968.86	08/20/2007		18.21	3950.65	
0771		3969.04	08/20/2007		13.15	3955.89	
0772		3969.21	08/20/2007		18.48	3950.73	
0773		3969.15	08/20/2007		19.02	3950.13	
0774		3968.77	08/20/2007		17.81	3950.96	
0775		3969.18	08/20/2007		18.02	3951.16	
0776		3968.97	08/20/2007		18.03	3950.94	
0777		3968.76	08/20/2007		17.98	3950.78	
0778		3968.93	08/20/2007		18	3950.93	
0779		3968.43	08/20/2007		16.98	3951.45	
0780		3968.45	09/05/2007		16.95	3951.5	
0781		3968.56	09/05/2007		16.69	3951.87	
0782		3968.46	09/05/2007		17.61	3950.85	
0785		3969.24	09/05/2007		17.09	3952.15	
0786		3968.14	09/05/2007		22.27	3945.87	
0787		3968.43	09/05/2007		17.22	3951.21	
0790		3955.2	09/04/2007		3.06	3952.14	
0791		3954.76	09/04/2007		3.2	3951.56	
0792		3954.84	09/04/2007		3.13	3951.71	
0793		3954.95	09/04/2007		3.21	3951.74	
0795		3954.48	09/04/2007		2.02	3952.46	
SMI-PW01	O	3968.45	09/06/2007		14.18	3954.27	
SMI-PZ1D	O	3968.379	09/06/2007		15.12	3953.26	
SMI-PZ1M	O	3968.29	09/06/2007		14.15	3954.14	
SMI-PZ1S	O	3969.13	09/06/2007		14.89	3954.24	

FLOW CODES: B BACKGROUND  
U UPGRAIDENT  
WATER LEVEL FLAGS: D Dry

C CROSS GRADIENT

D DOWN GRADIENT

O ON SITE

### **3.5 Blanks Report**

The results of the equipment blank collected during this sampling event are presented below. As the results show, ammonia, bromide, selenium, TDS, and uranium were at or below the associated detection limit. Chloride, copper, manganese, and sulfate were within five times the detection limit, so the results were due to potential machine error being so close to the detection limit. In addition, chloride and sulfate were “J-flagged,” meaning those results are estimated.

**BLANKS REPORT**

LAB: PARAGON (Fort Collins, CO)

RIN: 0708001

Report Date: 6/10/2008

Parameter	Site Code	Location ID	Sample Date	Sample ID	Units	Result	Qualifiers Lab	Qualifiers Data	Detection Limit	Uncertainty	Sample Type
Ammonia Total as N	MOA01	0999	09/06/2007	N001	mg/L	0.1	U		0.1		E
Bromide	MOA01	0999	09/06/2007	N001	mg/L	0.2	U		0.2		E
Chloride	MOA01	0999	09/06/2007	N001	mg/L	0.52		UU	0.2		E
Copper	MOA01	0999	09/06/2007	N001	mg/L	0.0016	B		0.00044		E
Manganese	MOA01	0999	09/06/2007	N001	mg/L	0.0005	B		0.00015		E
Selenium	MOA01	0999	09/06/2007	N001	mg/L	4.9E-005	U	J	4.9E-005		E
Sulfate	MOA01	0999	09/06/2007	N001	mg/L	0.99		J	0.5		E
Total Dissolved Solids	MOA01	0999	09/06/2007	N001	mg/L	20	U		20		E
Uranium	MOA01	0999	09/06/2007	N001	mg/L	0.00014		J	5.9E-004		E

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

## LAB QUALIFIERS:

- \* Replicate analysis not within control limits.
- > Result above upper detection limit.
- A TIC is a suspected aldol-condensation product.
- B Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
- C Pesticide result confirmed by GC-MS.
- D Analyte determined in diluted sample.
- E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
- H Holding time expired, value suspect.
- I Increased detection limit due to required dilution.
- J Estimated
- N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
- P > 25% difference in detected pesticide or Aroclor concentrations between 2 columns.
- U Analytical result below detection limit.
- W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
- X,Y,Z Laboratory defined qualifier, see case narrative.

## DATA QUALIFIERS:

- |                                                      |                                                 |                    |
|------------------------------------------------------|-------------------------------------------------|--------------------|
| F Low flow sampling method used.                     | G Possible grout contamination, pH > 9.         | J Estimated value. |
| L Less than 3 bore volumes purged prior to sampling. | Q Qualitative result due to sampling technique. | R Unusable result. |
| U Parameter analyzed for but was not detected.       | X Location is undefined.                        |                    |

## SAMPLE TYPES:

- E Equipment Blank.

## **Attachment 1**

### **Trip Report**

DATE: October 8, 2007

TO: Ken Pill

FROM: E. M. Glowiaik

SUBJECT: Trip Report

**Site:** Moab – Interim Action Well Field Quarterly Sampling – August 2007

**Date of Sampling Event:** August 20-September 6, 2007

**Team Members:** Elizabeth Glowiaik, Steve Back, Tom Cox, Ken Pill

**RIN Number Assigned:** All samples were assigned to RIN 0708001

**Sample Shipment:** All samples were shipped in a cooler overnight UPS to Paragon Analytics, Inc. from Moab, Utah, on August 22, 24, 29, 30, and September 6, 2007 (Tracking Nos. 1Z5W1Y514499612848, 1Z5W1Y510196982052, 1Z5W1Y510194736036, 1Z5W1Y510196402893).

### **August 2007 Configuration 1 Sampling**

---

**Number of Locations Sampled:** Ten extraction wells (0470-0479), 16 observation wells (0403, 0407, 0482, 0485, 0552, 0555, 0561, 0596, 0480, 0481, 0483, 0484, 0557, 0558, 0559, 0560), nine well points (0562, 0563, 0606, 0611, 0612, 0608, 0564, 0565, 0607), one surface water location (0245), and two evaporation pond samples (0547, 0548) were sampled during the August 2007 sampling event. Including three duplicates and one equipment blank, a total of 42 samples were collected.

**Locations Not Sampled/Reason:** The submersible pump installed in extraction well SMI-PW02 was not operating during the August 2007 sampling event, and, therefore, was not sampled. Surface water location 0216 was dry and not sampled.

**Field Variance:** None.

**Quality Control Sample Cross Reference:** Following are the false identifications assigned to the quality control samples:

False ID	True ID	Sample Type	Associated Matrix	Ticket Number
2528	0479	Duplicate from 23 ft bgs	Ground Water	NEV 421
2524	0552	Duplicate from 18 ft bgs	Ground Water	NEV 961
2453	0547	Duplicate from evaporation pond	Ground Water	NEV 721
2499	NA	Equipment blank	DI Water	NEV 723

**Location Specific Information – Configuration 1 Extraction Wells:** Extraction wells were sampled using dedicated submersible pumps.

Well No.	Date	Time	Water Level (ft btoc*)	Pump Intake (ft bgs)
0470	08/20/2007	11:23	13.71	18
0471	08/20/2007	11:33	14.48	18
0472	08/20/2007	13:50	15.18	18
0473	08/20/2007	14:00	14.06	18
0474	08/20/2007	14:07	13.72	18
0475	08/20/2007	14:23	14.55	18
0476	08/20/2007	14:35	15.31	18
0477	08/20/2007	14:43	13.99	18
0478	08/20/2007	15:15	10.15	23
0479	08/20/2007	15:20	14.83	23

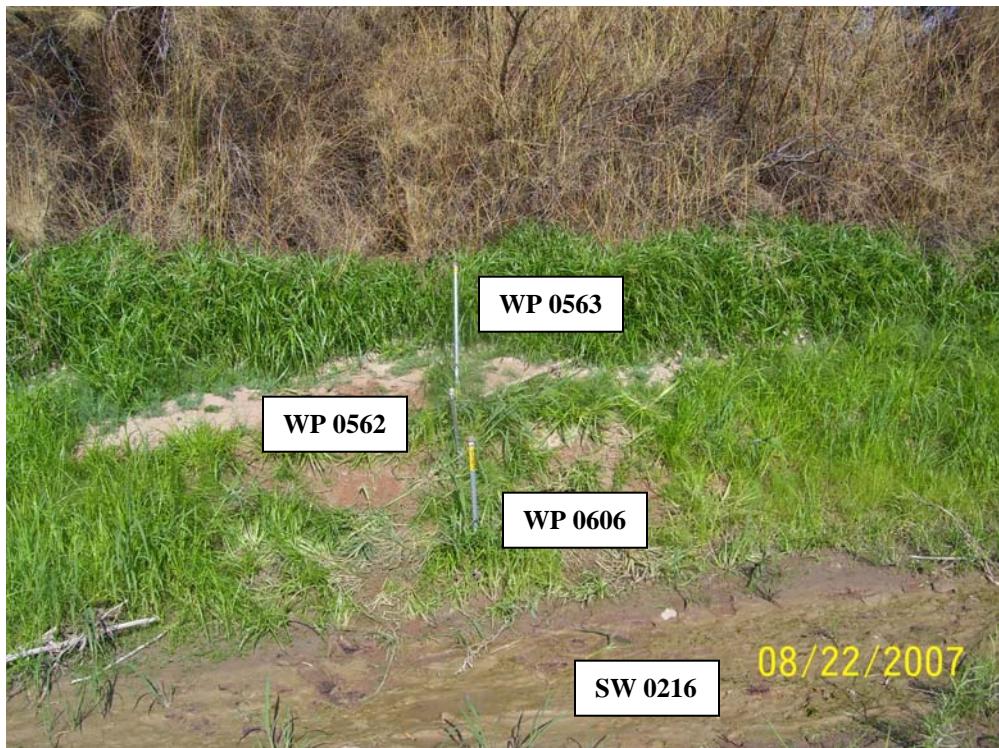
\*Below top of casing

**Location Specific Information – Observation Wells:** All observation wells were sampled using micro-purge techniques with a peristaltic pump and dedicated downhole and pump-head tubing. Sample depths and water levels for each observation well are listed below.

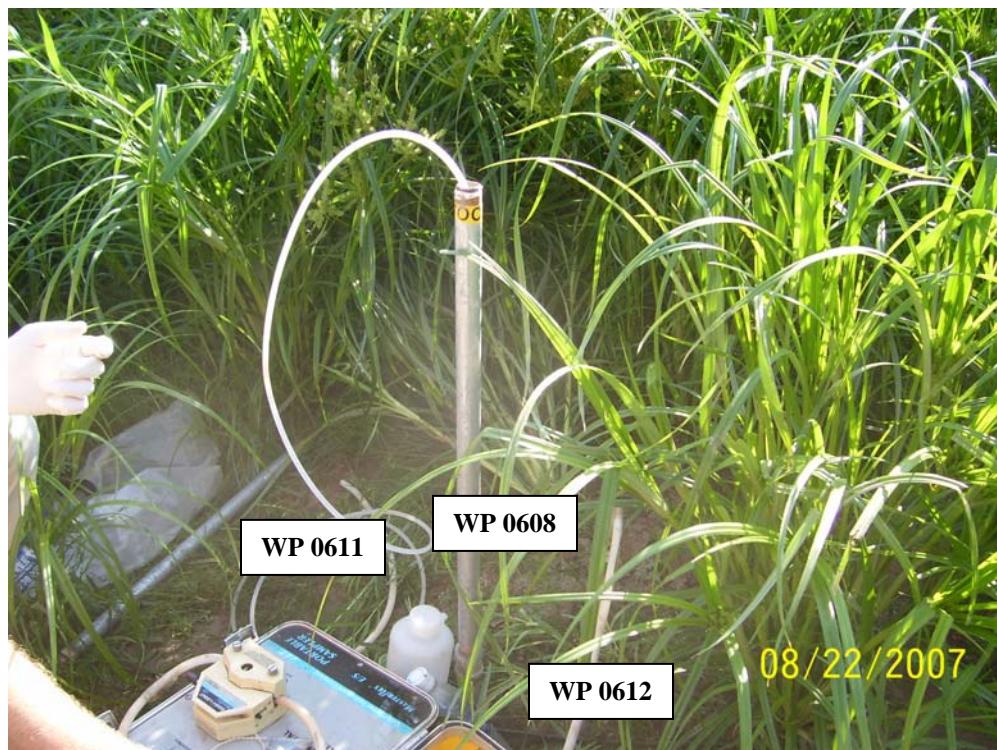
Well No.	Date	Time	Depth to Water (ft btoc)	Sample Depth (ft bgs)
0403	08/30/2007	11:42	16.58	18
0407	08/30/2007	12:30	17.11	18
0480	09/05/2007	08:38	16.81	18
0481	09/05/2007	08:56	16.37	28
0482	09/05/2007	09:13	17.18	58
0483	09/04/2007	16:26	17.06	18
0484	09/05/2007	08:19	16.98	28
0485	09/04/2007	16:09	17.00	58
0552	09/05/2007	09:58	16.61	18
0555	08/30/2007	11:59	16.85	18
0557	09/05/2007	09:33	16.05	40
0558	08/30/2007	12:09	16.60	36
0559	09/04/2007	14:22	17.82	19
0560	09/04/2007	15:48	16.61	31
0561	09/04/2007	14:46	16.70	50
0596	09/04/2007	15:13	16.55	24

**Location-Specific Information – Well Point Sampling:** The table below presents the water level, stick up height, and depth to the river surface prior to the initial purge.

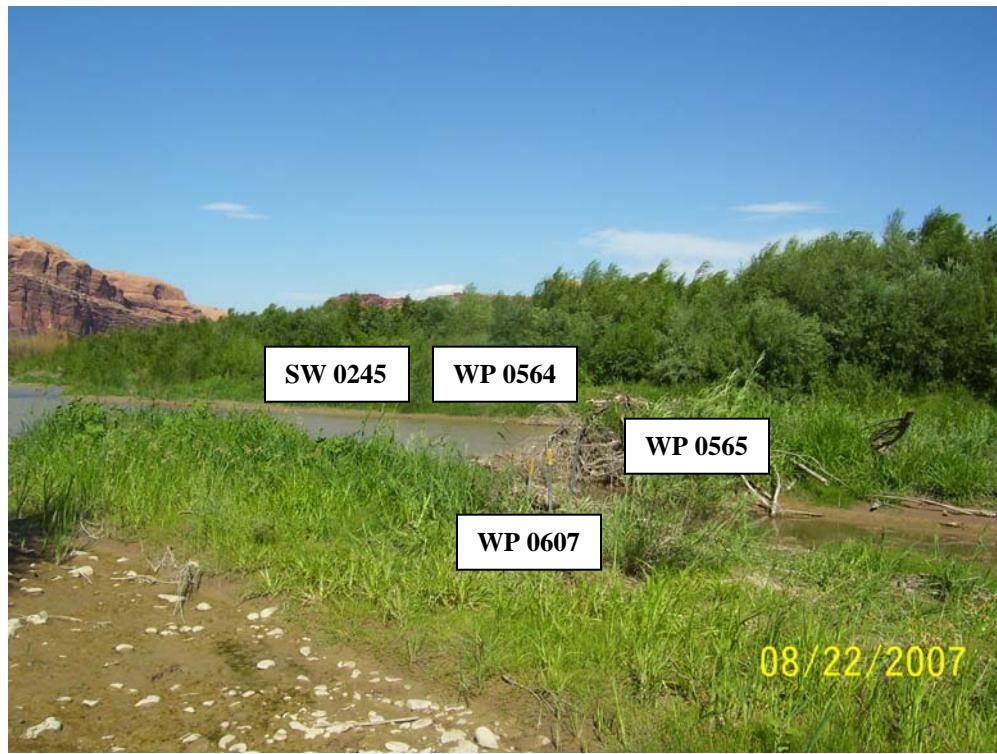
WP No.	Date	Time	Depth to Water (ft btoc)	Stick Up Height (ft)	Depth to River Surface (ft btoc)
0562	08/22/2007	08:46	3.20	1.90	Dry at base
0563	08/22/2007	08:28	6.02	3.00	Dry at base
0606	08/22/2007	08:40	3.42	1.65	Dry at base
0608	08/22/2007	08:58	3.70	0.50	Dry at base
0611	08/22/2007	09:05	5.26	2.50	Dry at base
0612	08/22/2007	09:15	3.00	0.25	Dry at base
0564	08/22/2007	09:47	3.68	2.75	Dry at base
0607	08/22/2007	09:54	3.28	2.19	Dry at base
0565	08/22/2007	10:00	3.15	1.78	Dry at base



Configuration 1 river bank well points and surface water location 0216 (dry).



Configuration 1 intermediate well points.



Configuration 1 river edge well points and surface water location 0245.

## August 2007 Configuration 2 Sampling

---

**Number of Locations Sampled:** Nine remediation wells (0570-0575, 0577-0579), twelve Configuration 2 observation wells (0408, 0583, 0584, 0587, 0588, 0589, 0401, 0581, 0582, 0585, 0586, 0600), eight well points (0590, 0591, 0603, 0614, 0604, 0615, 0616, 0605), and one surface water location (0239) were sampled during the August 2007 sampling event. A total of 30 samples were collected.

**Locations Not Sampled/Reason:** Well point 0613 and surface water locations 0236 and 0240 were dry and not sampled. The pump was not running in extraction well 0576, and a sample was not collected.

**Field Variance:** None.

**Location Specific Information – Configuration 2 Remediation Wells:** Remediation wells were sampled using dedicated submersible pumps.

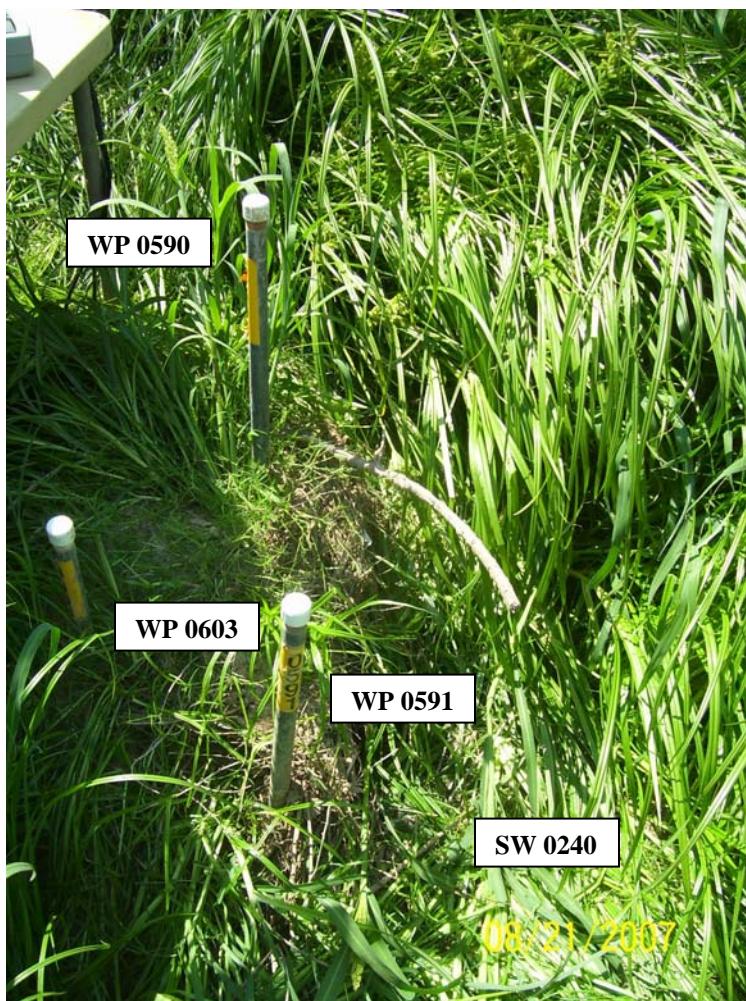
Well No.	Date	Time	Water Level (ft btoc)	Pump Intake (ft bgs)
0570	08/20/2007	15:54	13.78	31
0571	08/20/2007	16:08	18.22	41
0572	08/21/2007	08:45	26.67	31
0573	08/21/2007	08:55	22.71	41
0574	08/21/2007	09:03	22.62	31
0575	08/21/2007	09:18	18.22	41
0576	08/21/2007	09:23	12.32	31
0577	08/21/2007	09:26	26.92	41
0578	08/21/2007	09:38	12.35	31
0579	08/21/2007	09:53	11.82	41

**Location Specific Information – Observation Wells:** All observation wells were sampled using micro-purge techniques with a peristaltic pump and dedicated pump-head and downhole tubing. Sample depths and water levels for each observation well are listed below.

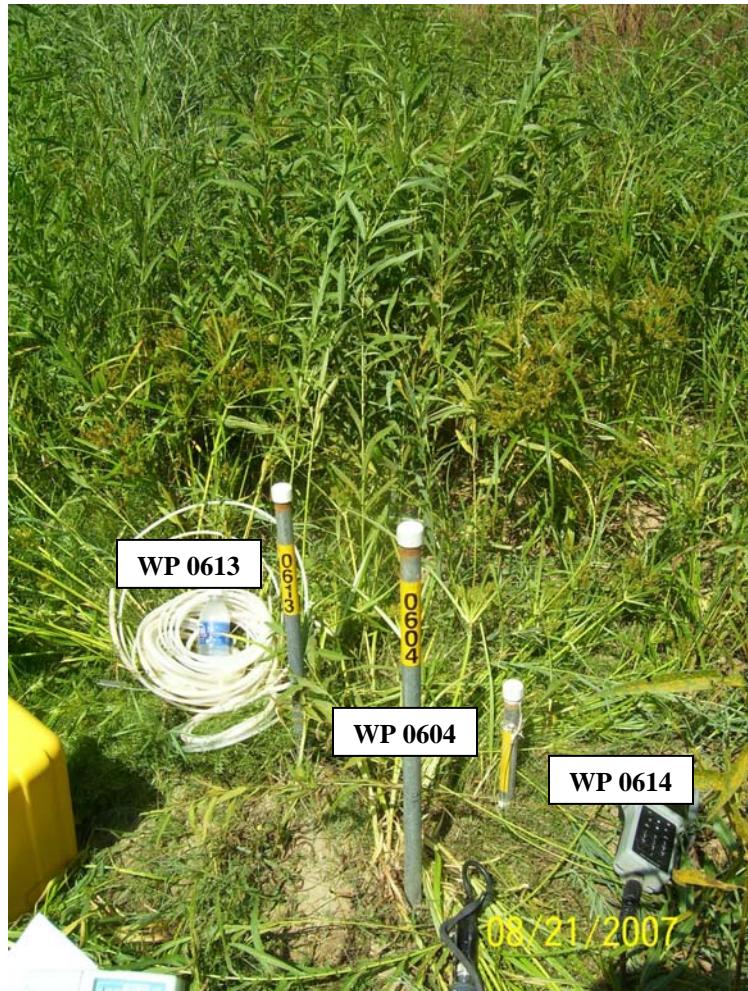
Well No.	Date	Time	Depth to Water (ft btoc)	Sample Depth (ft bgs)
0401	08/30/2007	09:08	16.23	18
0408	08/30/2007	09:09	15.86	26
0581	08/30/2007	11:14	16.28	18
0582	08/30/2007	11:12	16.91	18
0583	08/30/2007	10:44	16.60	18
0584	08/30/2007	10:17	15.97	18
0585	08/30/2007	09:50	16.22	18
0586	08/28/2007	15:54	15.54	18
0587	08/30/2007	10:46	15.97	18
0588	08/30/2007	09:46	16.09	34
0589	08/30/2007	10:15	16.08	52
0600	08/30/2007	11:34	15.98	28

**Location-Specific Information – Well Point Sampling:** The table below presents the water level, stick up height, and depth to the river surface prior to the initial purge.

WP No.	Date	Time	Depth to Water (ft btoc)	Stick Up Height (ft)	Depth to River Surface (ft btoc)
0590	08/21/2007	14:57	3.33	1.55	Dry at base
0591	08/21/2007	15:05	2.20	1.30	Dry at base
0603	08/21/2007	15:12	2.08	0.95	Dry at base
0613	08/21/2007	15:21	dry	1.83	Dry at base
0604	08/21/2007	15:27	4.42	2.00	Dry at base
0614	08/21/2007	15:33	3.91	0.77	Dry at base
0616	08/21/2007	15:55	3.02	0.83	Dry at base
0605	08/21/2007	16:07	3.96	1.72	Dry at base
0615	08/21/2007	16:15	3.83	1.50	Dry at base



Configuration 2 river bank well points and surface water location 0240 (dry).



Configuration 2 intermediate well points.



Configuration 2 river edge well points.



Configuration 2 surface water location 0239.

## August 2007 Configuration 3 Sampling

---

**Number of Locations Sampled:** Ten remediation wells (0670-0679), 11 observation wells (0682, 0683, 0687 0688, 0689, 0404, 0680, 0681, 0684, 0685, 0686), nine well points (0690-0698), and one surface water location (0259) were sampled during the August 2007 sampling event. Including one duplicate, a total of 31 samples were collected.

**Locations in Which Field Parameters Were Measured Only:** Parameters were measured at locations 0688 at 31 ft and 0689 at 46 ft.

Well No.	Date	Time	Depth (ft bgs)	Depth To Water (ft btoc)	Field Parameters					
					Temp (°C)	Spec Cond (µS/cm)	D.O. (mg/L)	pH	ORP	Turb. (NTUs)
0688	08/28/2007	14:03	31	14.82	21.13	16,943	0.40	6.81	129	0.84
0689	08/28/2007	11:15	46	15.03	20.93	25,950	0.44	6.96	67	3.26

**Locations Not Sampled/Reason:** Surface water location 0258 was dry and not sampled.

**Field Variance:** None.

**Quality Control Sample Cross Reference:** Following are the false identifications assigned to the quality control samples:

False ID	True ID	Sample Type	Associated Matrix	Ticket Number
2531	0682	Duplicate from 28 ft bgs	Ground Water	NEV 941

**Location Specific Information – Configuration 3 Remediation Wells:** Remediation wells were sampled using dedicated submersible pumps.

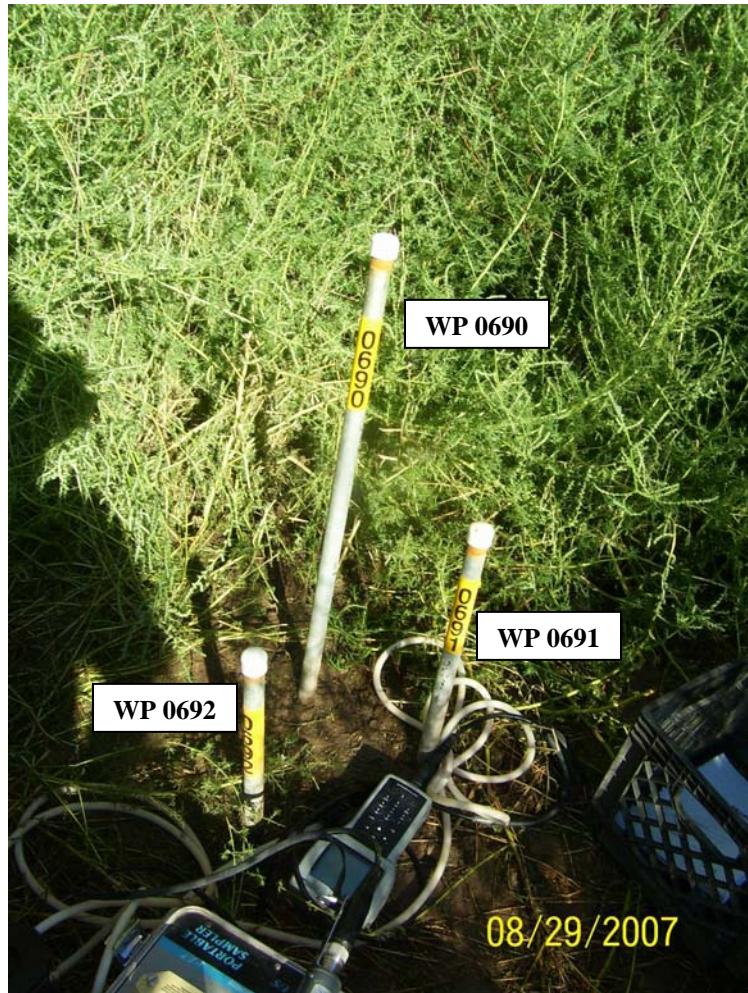
Well No.	Date	Time	Water Level (ft btoc)	Pump Intake (ft bgs)
0670	08/21/2007	10:21	16.05	40
0671	08/21/2007	10:31	15.96	40
0672	08/21/2007	10:43	16.03	40
0673	08/21/2007	10:50	15.85	40
0674	08/21/2007	11:10	15.70	40
0675	08/21/2007	11:20	15.72	40
0676	08/21/2007	11:30	15.60	40
0677	08/21/2007	11:40	15.51	40
0678	08/21/2007	12:05	15.36	40
0679	08/21/2007	12:10	15.23	40

**Location Specific Information – Observation Wells:** All observation wells were sampled using micro-purge techniques with a peristaltic pump and dedicated pump-head and downhole tubing. Sample depths and water levels for each observation well are listed below.

Well No.	Date	Time	Depth to Water (ft btoc)	Sample Depth (ft bgs)
0404	08/28/2007	14:28	14.32	18
0680	08/28/2007	15:24	16.10	18
0681	08/28/2007	14:55	16.69	18
0682	08/28/2007	16:28	16.26	28
0683	08/28/2007	09:26	16.70	27
0684	08/28/2007	08:56	15.94	18
0685	08/27/2007	15:52	14.43	28
0686	08/28/2007	09:58	14.70	18
0687	08/28/2007	14:07	15.12	28
0688-39	08/28/2007	13:32	14.80	39
0689-54	08/28/2007	10:35	15.00	54

**Location-Specific Information – Well Point Sampling:** The table below presents the water level, stick up height, and depth to the river surface prior to the initial purge.

WP No.	Date	Time	Depth to Water (ft btoc)	Stick Up Height (ft)	Depth to River Surface (ft btoc)
0690	08/29/2007	08:45	5.96	2.45	Dry at base
0691	08/29/2007	08:37	4.89	1.45	Dry at base
0692	08/29/2007	08:21	4.56	1.00	Dry at base
0693	08/29/2007	09:18	3.55	1.90	Dry at base
0694	08/29/2007	09:33	2.95	1.50	Dry at base
0695	08/29/2007	09:45	2.95	1.00	Dry at base
0696	08/29/2007	10:11	3.50	2.00	Dry at base
0697	08/29/2007	10:22	2.30	1.28	Dry at base
0698	08/29/2007	10:32	1.65	0.57	Dry at base



Configuration 3 river bank well points.



Configuration 3 intermediate well points and surface water location 0258 (dry).



Configuration 3 river edge well points.



Configuration 3 surface water location 0259.

## August 2007 Configuration 4 Sampling

---

**Number of Locations Sampled:** Ten remediation wells (0770-0779), eight observation wells (0780-0787), five well points (0790-0793, 0795), and one surface water location (0274) were sampled during the August 2007 sampling event. Including one duplicate a total of 25 samples were collected.

**Locations Not Sampled/Reason:** Well point 0794 did not recharge and was not sampled.

**Field Variance:** Surface water location 0274 was sampled twice, once for the August monthly sampling event, and once for the biota monitoring event. This sample was sent under the same RIN number as the August samples and the ticket number for the biota monitoring sample is NEV 969.

**Quality Control Sample Cross Reference:** Following are the false identifications assigned to the quality control samples:

False ID	True ID	Sample Type	Associated Matrix	Ticket Number
2454	0785	Duplicate from 18 ft bgs	Ground Water	NEV 968

**Location Specific Information – Configuration 4 Remediation Wells:** Remediation wells were sampled using dedicated submersible pumps.

Well No.	Date	Time	Water Level (ft btoc)	Pump Intake (ft bgs)
0770	08/20/2007	09:27	18.21	30
0771	08/20/2007	09:32	18.81	30
0772	08/20/2007	09:45	18.48	30
0773	08/20/2007	09:51	19.02	30
0774	08/20/2007	10:05	17.81	30
0775	08/20/2007	10:10	18.02	30
0776	08/20/2007	10:40	18.03	30
0777	08/20/2007	10:50	17.98	30
0778	08/20/2007	10:54	18.00	30
0779	08/20/2007	11:00	16.98	30

**Location Specific Information – Observation Wells:** All observation wells were sampled using micro-purge techniques with a peristaltic pump and dedicated pump-head and downhole tubing. Sample depths and water levels for each observation well are listed below.

Well No.	Date	Time	Depth to Water (ft btoc)	Sample Depth (ft bgs)
0780	09/05/2007	11:09	16.95	28
0781	09/05/2007	10:22	16.69	46
0782	09/05/2007	10:48	17.61	33
0785	09/05/2007	14:56	17.09	18
0786	09/05/2007	14:12	22.27	28
0787	09/05/2007	14:33	17.22	38

**Location-Specific Information – Well Point Sampling:** The table below presents the water level, stick up height, and depth to the river surface prior to the initial purge.

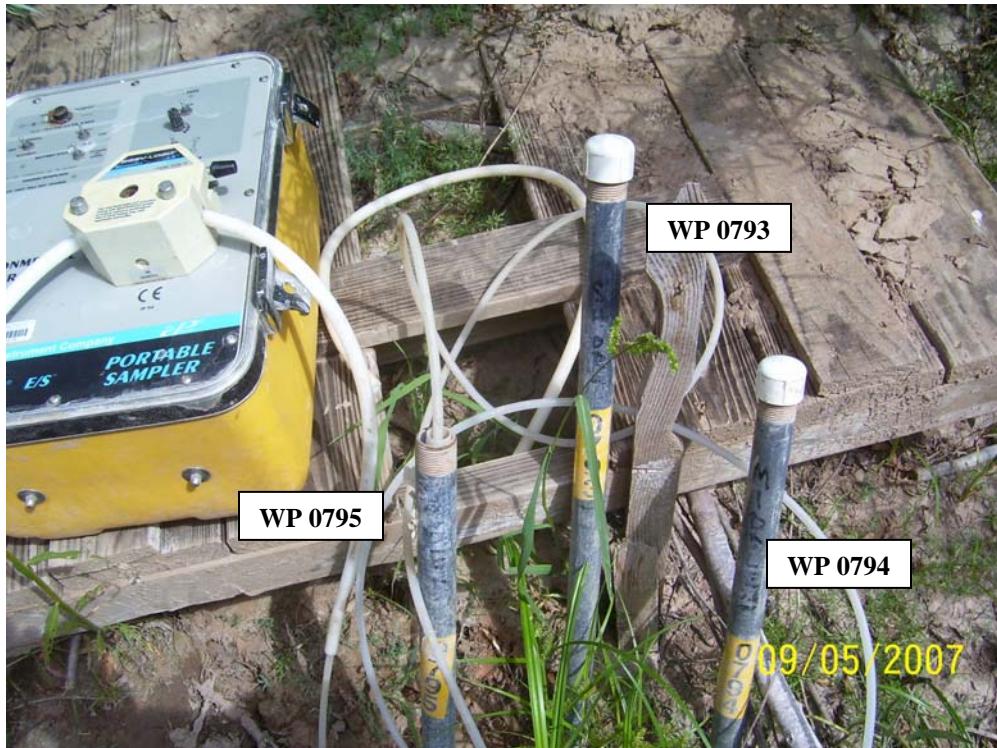
WP No.	Date	Time	Depth to Water (ft btoc)	Stick Up Height (ft)	Depth to River Surface (ft btoc)
0790	09/04/2007	10:55	3.06	0	Dry at base
0791	09/04/2007	10:26	3.20	0	Dry at base
0792	09/04/2007	10:35	3.13	0	Dry at base
0793	09/04/2007	11:12	3.21	2.00	Dry at base
0794	09/04/2007	11:04	dry	1.85	Dry at base
0795	09/04/2007	11:07	2.02	1.85	Dry at base



Configuration 4 river bank well points.



Configuration 4 surface water location 0274.



Configuration 4 intermediate well points.

### August 2007 Baseline Sampling

---

**Number of Locations Sampled:** Seven observation wells (0405, 0488, 0493, SMI-PZ1M, SMI-PZ1D, SMI-PZ1S, SMI-PW01), seven well points (0495, 0597, 0496, 0598, 0617, 0618, 0619), and one surface water location (0243) were sampled during the May 2007 sampling event. Including three duplicates, a total of 18 samples were collected.

**Locations Not Sampled/Reason:** Well point 0494 was dry, and well point 0497 did not recharge, therefore, these locations were not sampled. Surface water locations 0241 and 0242 were dry and not sampled.

**Field Variance:** None.

**Quality Control Sample Cross Reference:** Following are the false identifications assigned to the quality control samples:

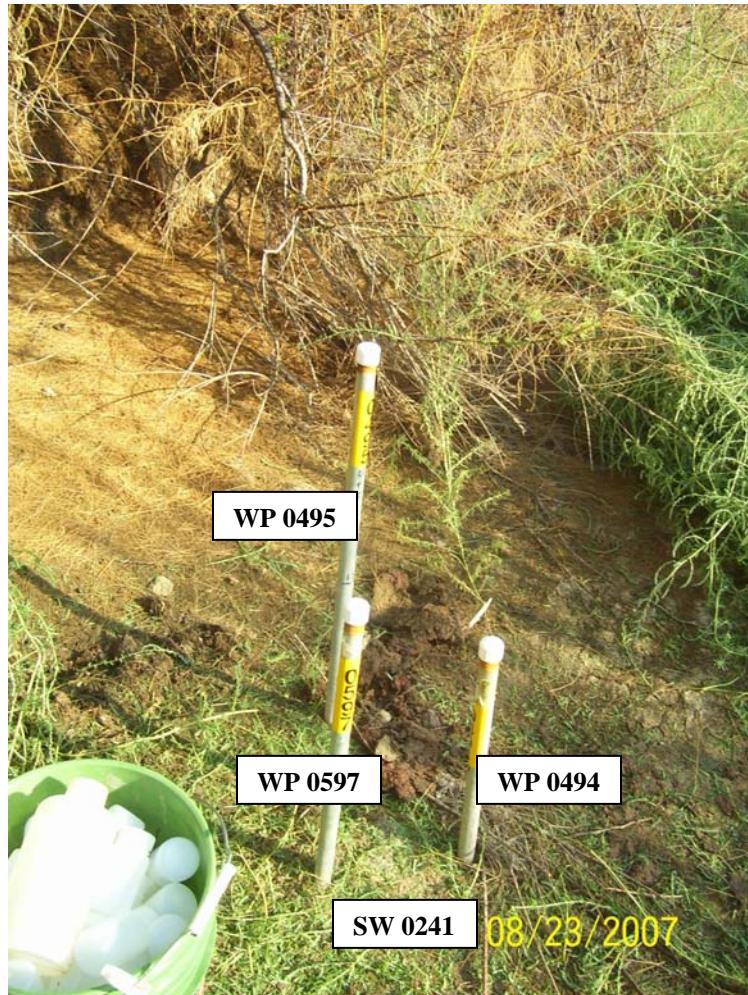
False ID	True ID	Sample Type	Associated Matrix	Ticket Number
2496	SMI-PZ1M	Duplicate from 57 ft bgs	Ground Water	NEV 973
2530	SMI-PW01	Duplicate from 40 ft bgs	Ground Water	NEV 722
2529	0493	Duplicate from 54 ft bgs	Ground Water	NEV 924

**Location Specific Information – Observation Wells:** All observation wells were sampled using micro-purge techniques with a peristaltic pump and dedicated pump-head and downhole tubing. Sample depths and water levels for each observation well are listed below.

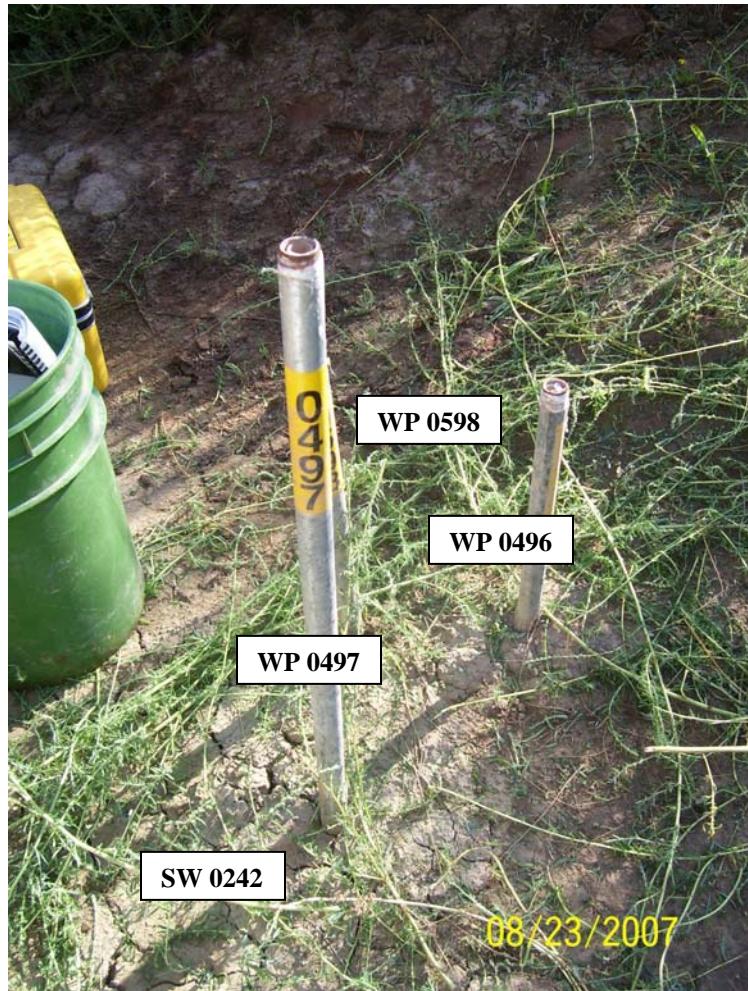
Well No.	Date	Time	Depth to Water (ft btoc)	Sample Depth (ft bgs)
0405	08/24/2007	10:00	14.03	18
0488	08/24/2007	09:25	14.03	39
0493	08/24/2007	10:22	13.72	54
SMI-PZ1M	09/06/2007	10:54	14.15	57
SMI-PZ1S	09/06/2007	10:37	14.89	18
SMI-PW01	09/06/2007	11:26	14.18	40
SMI-PZ1D2	09/06/2007	11:10	15.12	73

**Location-Specific Information – Well Point Sampling:** The table below presents the water level, stick up height, and depth to the river surface prior to the initial purge.

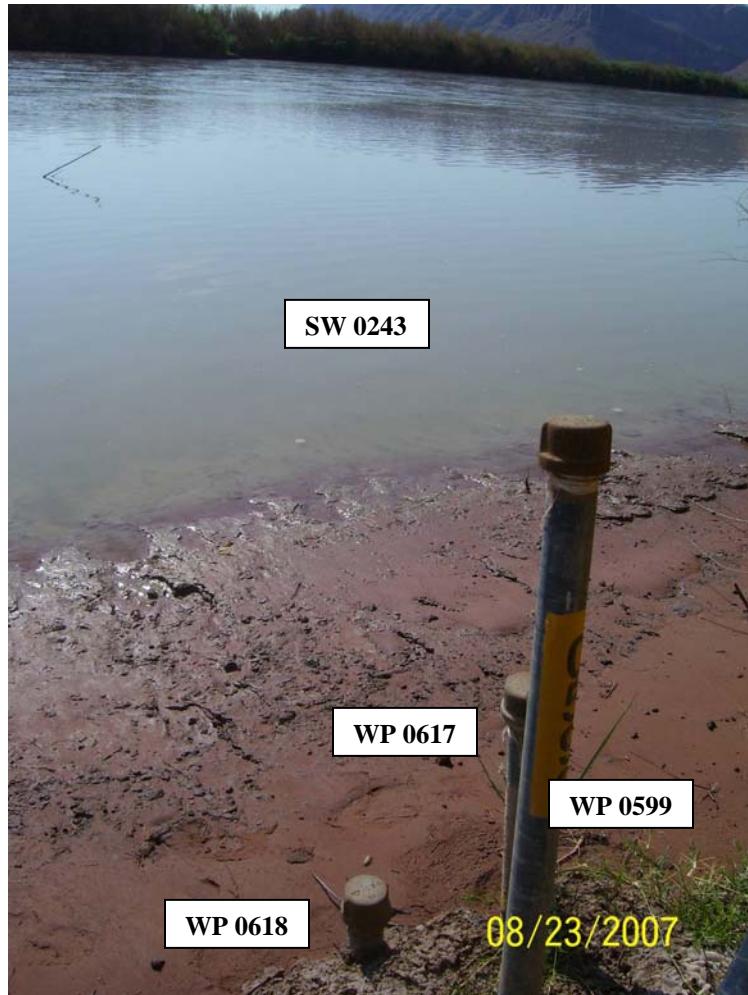
WP No.	Date	Time	Depth to Water (ft btoc)	Stick Up Height (ft)	Depth to River Surface (ft btoc)
0494	08/23/2007	08:50	dry	1.44	Dry at base
0495	08/23/2007	09:04	4.98	2.32	Dry at base
0597	08/23/2007	08:52	4.61	1.62	Dry at base
0496	08/23/2007	09:49	2.68	1.10	Dry at base
0497	08/23/2007	09:58	4.30	2.20	Dry at base
0598	08/23/2007	10:03	2.68	1.25	Dry at base
0599	08/23/2007	10:57	2.59	1.20	Dry at base
0617	08/23/2007	10:42	2.13	0.55	Dry at base
0618	08/23/2007	10:47	1.30	0	Dry at base



Baseline river bank well points and surface water location 0241 (dry).



Baseline intermediate well points and surface water location 0242 (dry).



Baseline river edge well points and surface water location 0243.

### August 2007 Infiltration Trench Sampling

---

**Number of Locations Sampled:** Four observation wells (0730-0733) and three well points (0724, 0725, 0756) were sampled during the August 2007 sampling event. A total of seven samples were collected

**Locations Not Sampled/Reason:** None.

**Field Variance:** None.

**Location Specific Information – Observation Wells:** All observation wells were sampled using micro-purge techniques with a peristaltic pump and dedicated pump-head and downhole tubing. Sample depths and water levels for each observation well are listed below.

Well No.	Date	Time	Depth to Water (ft btoc*)	Sample Depth (ft bgs)
0730	08/27/2007	14:27	13.02	18
0731	08/27/2007	14:53	14.46	18
0732	08/27/2007	15:22	14.26	18
0733	08/24/2007	10:46	13.30	18

\*Below top of casing

**Location-Specific Information – Well Point Sampling:** The table below presents the water level, stick up height, and depth to the river surface prior to the initial purge.

WP No.	Date	Time	Depth to Water (ft btoc)	Stick Up Height (ft)	Depth to River Surface (ft btoc)
0724	08/23/2007	13:45	3.50	1.50	Dry at base
0725	08/23/2007	13:56	4.73	2.20	Dry at base
0726	08/23/2007	14:05	3.96	1.55	Dry at base



Infiltration trench well points.

**Well Inspection Summary:** A well inspection was not conducted.

**Site Issues:** According to the USGS Cisco Gaging Station (Station No. 09180500), the mean daily Colorado River flows during this sampling event are provided below:

Date	Daily Mean Flow (cfs)
08/20/2007	3,720
08/21/2007	3,510
08/22/2007	3,260
08/23/2007	3,150
08/24/2007	3,000
08/27/2007	3,360
08/28/2007	3,890
08/29/2007	3,910
08/30/2007	3,750
09/04/2007	3,360
09/05/2007	3,300
09/06/2007	3,350

**Equipment Issues:** It was noted on August 21 that the oxidation-reduction potential (ORP) probe was not calibrating correctly. The probe was changed out and then calibrated correctly. It is unknown whether the defective probe affected any of the ORP parameter values the morning of August 21.

**Corrective Action Required/Taken:** None.

cc:      J.D. Ritchey, P2S  
           K. G. Pill, P2S  
           E. M. Glowiaik, P2S  
           M. Mullis, S&K

## **Attachment 2**

### **Acronyms**

AWQC	Ambient Water Quality Criteria
BLS	Below Land Surface
btoc	Below Top of Casing
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
cfs	Cubic Feet per Second
COC	Chain of Custody
CRI	Reporting Limit Verification
DO	Dissolved Oxygen
EDD	Electronic Data Deliverable
EPA	Environment Protection Agency
Ft	Feet
bgs	Below Ground Surface
ICB	Initial Calibration Blank
ICP	Inductively Coupled Plasma
ICP/MS	Inductively Coupled Plasma/Mass Spectrometry
ICS	Interference Check Sample
ICV	Initial Calibration Verification
LCS	Laboratory Control Samples
MDL	Minimum Detection Limit
MB	Method Blanks
mg/L	Milligram per Liter
mL/m	Milliliter per Minute
MS	Matrix Spike
MSD	Matrix Spike Duplicate
µmhos/cm	Micro Mhos per Centimeter
mV	Millivolt
ORP	Oxidation Reduction Potential
PQL	Practical Quantitation Limit
RDL	Required Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
SMS	Sample Management System
TDS	Total Dissolved Solids
UMTRA	Uranium Mill Tailings Remedial Action
USGS	U.S. Geological Survey
VDP	Validation Data Package